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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/776,091	02/25/2013	Niall R. Lynam	DON09 P-2048	1002
15671 7590 08/16/2013 Gardner, Linn, Burkhardt & Flory, LLP 2851 Charlevoix Dr. SE, Suite 207 Grand Rapids, MI 49546			EXAMINER AMARI, ALESSANDRO V	
			ART UNIT 2872	PAPER NUMBER
			NOTIFICATION DATE 08/16/2013	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 13/776,091	Applicant(s) LYNAM, NIAL R.	
	Examiner ALESSANDRO AMARI	Art Unit 2872	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 June 2013.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) ☒ Claim(s) 1-98 is/are pending in the application.
5a) Of the above claim(s) 41-98 is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-6 and 11-40 is/are rejected.
- 8) ☒ Claim(s) 7-10 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 25 February 2013 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some * c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/10/2013.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 4) ☐ Other: ____.

DETAILED ACTION

Election/Restrictions

Applicant's election of Invention I (claims 1-40) in the reply filed on 26 June 2013 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Claims 41-98 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Invention, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 and 11-40 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Lynam et al (hereafter "Lynam") US 2002/0072026.

The applied reference has a common Inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under pre-AIA 35 U.S.C. 102(e). This rejection under pre-AIA 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not

claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131(a).

In regard to claim 1, Lynam discloses (see Figs. 1-3, 5, 6, 8, 11, 12, 14) an exterior sideview mirror assembly suitable for use on a vehicle, said exterior sideview mirror assembly comprising: a mirror housing (40); a mirror backing plate element (60); wherein said mirror backing plate element is movable within said mirror housing by an electrically-operable actuator (36) as described in [0042]; a main plano mirror element (50) fixedly disposed at a first portion of said mirror backing plate element as described in [0041], [0042]; said main plano mirror element having a first primary field of view rearward of a vehicle equipped with said exterior sideview mirror assembly as described in [0041] and [0042]; an auxiliary non-plano curved mirror element (55) fixedly disposed at a second portion of said mirror backing plate element as described in [0042]; wherein said main plano mirror element and said auxiliary non-plano curved mirror element are adjacently disposed at said mirror backing plate element in a side-by-side relationship and are not superimposed with one mirror element on top of the other mirror element as shown in Figure 5; wherein said mirror backing plate element comprises a polymeric molding as described in [0050]; said auxiliary non-plano curved mirror element having a second auxiliary field of view rearward of the equipped vehicle as described in [0083]; wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element as shown in Figure 14 and as described in [0076]; wherein said auxiliary non-plano curved mirror element that is at said second portion of said mirror backing plate element is

angled relative to said main plano mirror element that is at said first portion of said mirror backing plate element as shown in Figures 11 and 12; wherein said mirror backing plate element mounts to said actuator such that movement of said mirror backing plate element by said actuator simultaneously and similarly moves said main plano mirror element and said auxiliary non-plano curved mirror element as described in [0041], [0042] and [0056]; wherein said main plano mirror element comprises one of (a) a generally flat glass substrate having a surface coated with a metallic reflector coating and (b) a generally flat polymeric substrate having a thin glass element applied to a surface thereof and with an opposing surface thereof having a reflecting layer applied thereto as described in [0043]; and wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 2 degrees and about 20 degrees as shown in Figure 14 and as described in [0076].

Regarding claim 2, Lynam discloses that said main plano mirror element comprises a generally flat glass substrate having a surface coated with a metallic reflector coating as described in [0043].

Regarding claim 3, Lynam discloses (see Fig. 5) including a divider (65) between said main plano mirror element and said auxiliary non-plano curved mirror element that visually demarcates said auxiliary non-plano curved mirror element from said main plano mirror element as described in [0042].

Regarding claim 4, Lynam discloses wherein said mirror backing plate element includes a molded wall extending from a surface thereof and wherein said divider comprises at least a portion of said molded wall as described in [0051].

Regarding claim 5, Lynam discloses that said molded wall generally circumscribes the circumferential edge of said auxiliary non-plano curved mirror element when said auxiliary non-plano curved mirror element is disposed at said mirror backing plate element as shown in Figure 5 and as described in [0051].

Regarding claim 6, Lynam discloses that said main plano mirror element comprises a generally flat glass substrate having a surface coated with a metallic reflector coating as described in [0043].

Regarding claim 11, Lynam discloses that said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved substrate as shown in Figure 6 and as described in [0042].

Regarding claim 12, Lynam discloses that said second portion of said mirror backing plate element is convex-curved as described in [0080].

Regarding claim 13, Lynam discloses wherein said auxiliary non-plano curved mirror element has a spherical curvature as described in [0083].

Regarding claim 14, Lynam discloses that said second portion of said mirror backing plate element has a curvature at least partially matching said spherical curvature as described in [0083].

Regarding claim 15, Lynam discloses wherein, when used in the exterior sideview mirror assembly of the equipped vehicle, said main plano mirror element has a

rearward field of view that generally subtends an angle of less than about 20 degrees relative to the side of the equipped vehicle as shown in Figure 14 and as described in [0076].

Regarding claim 16, Lynam discloses wherein, when used in the exterior sideview mirror assembly of the equipped vehicle, said auxiliary non-plano curved mirror element has a rearward field of view that generally subtends an angle that is in the range from about 15 degrees relative to the side of the equipped vehicle to about 50 degrees relative to the side of the equipped vehicle as shown in Figure 14 and as described in [0076].

Regarding claim 17, Lynam discloses wherein said main plano mirror element has an X-axis and a Y-axis and wherein, when disposed at said second portion of said mirror backing plate element, said auxiliary non-plano curved mirror element is at least one of (a) tilted generally downward with respect to the Y-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees and (b) tilted generally forwardly with respect to the X-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees as shown in Figures 13 and 14 and as described in [0074].

Regarding claim 18, Lynam discloses that said second auxiliary field of view rearward of the equipped vehicle views into a blind spot in a side lane adjacent the side of the equipped vehicle at which said exterior sideview mirror assembly is attached, and wherein said blind spot is generally outside the rearward field of view of said main plano mirror element when said main plano mirror element is viewed by a driver of the

equipped vehicle when said exterior sideview mirror assembly is attached at the side of the equipped vehicle as shown in Figure 14 and as described in [0076] and [0077].

Regarding claim 19, Lynam discloses wherein, when disposed at said second portion of said mirror backing plate element, at least one of (a) said auxiliary non- plano curved mirror element is tilted generally downward with respect to a Y-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees and (b) said auxiliary non-plano curved mirror element is tilted generally forwardly with respect to an X-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees as shown in Figures 13 and 14 and as described in [0074].

Regarding claim 20, Lynam discloses wherein said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved substrate as shown in Figure 6 and as described in [0042].

Regarding claim 21, Lynam discloses that said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved glass substrate as shown in Figure 6 and as described in [0042].

Regarding claim 22, Lynam discloses that said second portion of said mirror backing plate element is convex-curved as described in [0080].

Regarding claim 23, Lynam discloses wherein said auxiliary non-plano curved mirror element has a spherical curvature as described in [0083].

Regarding claim 24, Lynam discloses that said second portion of said mirror backing plate element has a curvature at least partially matching said spherical curvature as described in [0083].

Regarding claim 25, Lynam discloses wherein the overall rearward field of view of said main plano mirror element combined with said auxiliary non-plano curved mirror element is at least about 25 degrees relative to the side of the equipped vehicle as described in [0076] and as shown in Figure 14.

Regarding claim 26, Lynam discloses that the overall rearward field of view of said main plano mirror element combined with said auxiliary non-plano curved mirror element is less than about 50 degrees relative to the side of the equipped vehicle as described in [0076] and as shown in Figure 14.

Regarding claim 27, Lynam discloses wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 5 degrees and about 15 degrees as described in [0076] and as shown in Figure 14.

Regarding claim 28, Lynam discloses wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 8 degrees and about 10 degrees as described in [0076] and as shown in Figure 14.

Regarding claim 29, Lynam discloses that said main plano mirror element has a fixed reflectance and wherein said auxiliary non-plano curved mirror element has a fixed reflectance and wherein said fixed reflectance auxiliary non-plano curved mirror element

comprises a curved glass substrate coated with a metallic reflector coating as described in [0043] and [0047].

Regarding claim 30, Lynam discloses that said main plano mirror element is disposed at said mirror backing plate element by at least one of an adhesive attachment and a mechanical attachment and wherein said auxiliary non-plano curved mirror element is disposed at said mirror backing plate element by at least one of an adhesive attachment and a mechanical attachment, and wherein said auxiliary non-plano curved mirror element comprises a bent glass substrate having a surface coated with a metallic reflector coating as described in [0050].

Regarding claim 31, Lynam discloses that said main plano mirror element comprises a glass substrate having a surface coated with a metallic reflector coating and wherein said auxiliary non-plano curved mirror element comprises a glass substrate having a surface coated with a metallic reflector coating, and wherein said auxiliary non-plano curved mirror element comprises a bent glass substrate as described in [0050].

Regarding claim 32, Lynam discloses wherein said main plano mirror element comprises a substrate having a surface coated with a metallic reflector coating and wherein said auxiliary non-plano curved mirror element comprises a substrate having a surface coated with a metallic reflector coating, and wherein said second portion of said mirror backing plate element comprises a curvature corresponding to a curvature of said auxiliary non-plano curved mirror element, and wherein said second portion of said mirror backing plate element comprises at least one of (a) a spherical curvature, (b) an aspherical curvature and (c) a multiradius curvature as described in [0050] and [0083].

Regarding claim 33, Lynam discloses that said auxiliary non-plano curved mirror element comprises a heater element operable to demist/deice the outmost surface of said auxiliary non-plano curved mirror element when said auxiliary non-plano curved mirror element is disposed at said mirror backing plate element and when said exterior sideview mirror assembly is attached and operated at the side of the equipped vehicle as described in [0054], [0065] and [0066].

Regarding claim 34, Lynam discloses that said exterior sideview mirror assembly comprises a driver-side exterior sideview mirror assembly as shown in Figure 1 and as described in [0041].

Regarding claim 35, Lynam discloses wherein, when attached at the side of the equipped vehicle, said driver-side exterior sideview mirror assembly provides to the driver of the equipped vehicle a total rearward field of view that generally subtends an angle of at least about 25 degrees with respect to the side of the equipped vehicle as shown in Figure 14 and as described in [0076].

Regarding claim 36, Lynam discloses wherein a ratio of the width of said main plano mirror element to the width of said auxiliary non-plano curved mirror element is greater than 1.5 as described in [0049].

Regarding claim 37, Lynam discloses that said exterior sideview mirror assembly comprises a driver-side exterior sideview mirror assembly of the equipped vehicle, and wherein at least one of said main plano mirror element and said auxiliary non-plano curved mirror element comprises a glass substrate having a surface coated with a metallic reflector coating, and wherein said metallic reflector coating is selected from the

group consisting of (i) a chromium coating, (ii) a titanium coating, (iii) a rhodium coating, (iv) a metal-alloy coating, (v) a nickel alloy coating, (vi) an aluminum coating and (vii) a silver coating as described in [0043] and [0047].

Regarding claim 38, Lynam discloses that said auxiliary non-plano curved mirror element has a fixed reflectance and wherein said fixed reflectance auxiliary non-plano curved mirror element comprises a spherically bent glass substrate coated with a metallic reflector as described in [0043], [0047] and [0083].

Regarding claim 39, Lynam discloses that said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 5 degrees and about 15 degrees as shown in Figure 14 and as described in [0076].

Regarding claim 40, Lynam discloses that said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 8 degrees and about 10 degrees as shown in Figure 14 and as described in [0076].

Allowable Subject Matter

Claims 7-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 7 is allowable for at least the reason, "said main plano mirror element comprises a generally flat polymeric substrate having a thin glass element applied to a

surface thereof and with an opposing surface thereof having a reflecting layer applied thereto, and wherein said generally flat polymeric substrate is formed from an elongated sheet of substrate material comprising a polymeric resin material, and wherein said elongated sheet has a substantially transparent functional film applied at a surface thereof, and wherein said substantially transparent functional film provides at least one of (a) an anti-abrasion function, (b) a hydrophobic function and (c) a hydrophilic function, and wherein said functional film comprises an ultrathin glass material which is sufficiently flexible to be provided in a reel or roll, and wherein said functional film is sufficiently flexible to conform to said generally flat polymeric substrate of said main plano mirror element, and wherein said main plano mirror element comprises a reflective film disposed at a surface of said generally flat polymeric substrate opposite said substantially transparent functional film" as set forth in the claimed combination.

Claims 8-10 are allowable due to their dependence on claim 7.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALESSANDRO AMARI whose telephone number is (571)272-2306. The examiner can normally be reached on Monday-Friday 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Pham can be reached on (571) 272-3689. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alessandro Amari/
Primary Examiner, Art Unit 2872

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit : 2872
Examiner : Alessandro V. Amari
Inventor : Niall R. Lynam
Serial No. : 13/776,091
Filed : February 25, 2013
For : EXTERIOR SIDEVIEW MIRROR ASSEMBLY

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

RESPONSE

Responsive to the Office Action mailed August 16, 2013, Applicant wishes to amend the application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 12 of this paper.

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the present application:

1 (original): An exterior sideview mirror assembly suitable for use on a vehicle, said exterior sideview mirror assembly comprising:

a mirror housing;

a mirror backing plate element;

wherein said mirror backing plate element is movable within said mirror housing by an electrically-operable actuator;

a main plano mirror element fixedly disposed at a first portion of said mirror backing plate element;

said main plano mirror element having a first primary field of view rearward of a vehicle equipped with said exterior sideview mirror assembly;

an auxiliary non-plano curved mirror element fixedly disposed at a second portion of said mirror backing plate element;

wherein said main plano mirror element and said auxiliary non-plano curved mirror element are adjacently disposed at said mirror backing plate element in a side-by-side relationship and are not superimposed with one mirror element on top of the other mirror element;

wherein said mirror backing plate element comprises a polymeric molding;

said auxiliary non-plano curved mirror element having a second auxiliary field of view rearward of the equipped vehicle;

wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element;

wherein said auxiliary non-plano curved mirror element that is at said second portion of said mirror backing plate element is angled relative to said main plano mirror element that is at said first portion of said mirror backing plate element;

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wherein said mirror backing plate element mounts to said actuator such that movement of said mirror backing plate element by said actuator simultaneously and similarly moves said main plano mirror element and said auxiliary non-plano curved mirror element;

wherein said main plano mirror element comprises one of (a) a generally flat glass substrate having a surface coated with a metallic reflector coating and (b) a generally flat polymeric substrate having a thin glass element applied to a surface thereof and with an opposing surface thereof having a reflecting layer applied thereto; and

wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 2 degrees and about 20 degrees.

2 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element comprises a generally flat glass substrate having a surface coated with a metallic reflector coating.

3 (original): The exterior sideview mirror assembly of claim 1, including a divider between said main plano mirror element and said auxiliary non-plano curved mirror element that visually demarcates said auxiliary non-plano curved mirror element from said main plano mirror element.

4 (original): The exterior sideview mirror assembly of claim 3, wherein said mirror backing plate element includes a molded wall extending from a surface thereof and wherein said divider comprises at least a portion of said molded wall.

5 (original): The exterior sideview mirror assembly of claim 4, wherein said molded wall generally circumscribes the circumferential edge of said auxiliary non-plano curved

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mirror element when said auxiliary non-plano curved mirror element is disposed at said mirror backing plate element.

6 (original): The exterior sideview mirror assembly of claim 5, wherein said main plano mirror element comprises a generally flat glass substrate having a surface coated with a metallic reflector coating.

7 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element comprises a generally flat polymeric substrate having a thin glass element applied to a surface thereof and with an opposing surface thereof having a reflecting layer applied thereto, and wherein said generally flat polymeric substrate is formed from an elongated sheet of substrate material comprising a polymeric resin material, and wherein said elongated sheet has a substantially transparent functional film applied at a surface thereof, and wherein said substantially transparent functional film provides at least one of (a) an anti-abrasion function, (b) a hydrophobic function and (c) a hydrophilic function, and wherein said functional film comprises an ultrathin glass material which is sufficiently flexible to be provided in a reel or roll, and wherein said functional film is sufficiently flexible to conform to said generally flat polymeric substrate of said main plano mirror element, and wherein said main plano mirror element comprises a reflective film disposed at a surface of said generally flat polymeric substrate opposite said substantially transparent functional film.

8 (original): The exterior sideview mirror assembly of claim 7, wherein said thin glass element comprises a thin flexible glass sheet, said thin flexible glass sheet existing as a pre-formed glass sheet that is separate from said generally flat polymeric substrate, said thin flexible glass sheet having an attaching surface, wherein said attaching surface is opposed to and adhered to said surface of said generally flat polymeric substrate when said thin flexible glass sheet is adhered to said exterior surface of said generally flat polymeric substrate, said thin flexible glass sheet providing an anti-

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abrasion function at said surface of said generally flat polymeric substrate when adhered thereto, said thin flexible glass sheet substantially conforming to said exterior surface of said generally flat polymeric substrate when adhered thereto, said thin flexible glass sheet having a thickness of less than approximately 0.8 mm and greater than approximately 0.3 mm.

9 (original): The exterior sideview mirror assembly of claim 8, wherein said generally flat polymeric substrate is cut from a molded or extruded or cast elongated sheet, and wherein said thin flexible glass sheet is laminated to said elongated sheet, and wherein said main plano mirror element comprises a reflective film applied to an inner surface of said generally flat polymeric substrate opposite said exterior surface, and wherein said reflective film comprises a polymeric reflective film at least one of laminated, adhered and applied to said inner surface of said generally flat polymeric substrate.

10 (original): The exterior sideview mirror assembly of claim 9, including a divider between said main plano mirror element and said auxiliary non-plano curved mirror element that visually demarcates said auxiliary non-plano curved mirror element from said main plano mirror element.

11 (original): The exterior sideview mirror assembly of claim 1, wherein said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved substrate.

12 (original): The exterior sideview mirror assembly of claim 11, wherein said second portion of said mirror backing plate element is convex-curved.

13 (original): The exterior sideview mirror assembly of claim 1, wherein said auxiliary non-plano curved mirror element has a spherical curvature.

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14 (original): The exterior sideview mirror assembly of claim 13, wherein said second portion of said mirror backing plate element has a curvature at least partially matching said spherical curvature.

15 (original): The exterior sideview mirror assembly of claim 1, wherein, when used in the exterior sideview mirror assembly of the equipped vehicle, said main plano mirror element has a rearward field of view that generally subtends an angle of less than about 20 degrees relative to the side of the equipped vehicle.

16 (original): The exterior sideview mirror assembly of claim 15, wherein, when used in the exterior sideview mirror assembly of the equipped vehicle, said auxiliary non-plano curved mirror element has a rearward field of view that generally subtends an angle that is in the range from about 15 degrees relative to the side of the equipped vehicle to about 50 degrees relative to the side of the equipped vehicle.

17 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element has an X-axis and a Y-axis and wherein, when disposed at said second portion of said mirror backing plate element, said auxiliary non-plano curved mirror element is at least one of (a) tilted generally downward with respect to the Y-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees and (b) tilted generally forwardly with respect to the X-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees.

18 (original): The exterior sideview mirror assembly of claim 1, wherein said second auxiliary field of view rearward of the equipped vehicle views into a blind spot in a side lane adjacent the side of the equipped vehicle at which said exterior sideview mirror assembly is attached, and wherein said blind spot is generally outside the rearward field of view of said main plano mirror element when said main plano mirror element is

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viewed by a driver of the equipped vehicle when said exterior sideview mirror assembly is attached at the side of the equipped vehicle.

19 (original): The exterior sideview mirror assembly of claim 18, wherein, when disposed at said second portion of said mirror backing plate element, at least one of (a) said auxiliary non-plano curved mirror element is tilted generally downward with respect to a Y-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees and (b) said auxiliary non-plano curved mirror element is tilted generally forwardly with respect to an X-axis of said main plano mirror element by an angle that is the range from about 0.75 degrees to about 5 degrees.

20 (original): The exterior sideview mirror assembly of claim 19, wherein said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved substrate.

21 (original): The exterior sideview mirror assembly of claim 20, wherein said auxiliary non-plano curved mirror element comprises a reflector-coated convex-curved glass substrate.

22 (original): The exterior sideview mirror assembly of claim 20, wherein said second portion of said mirror backing plate element is convex-curved.

23 (original): The exterior sideview mirror assembly of claim 22, wherein said auxiliary non-plano curved mirror element has a spherical curvature.

24 (original): The exterior sideview mirror assembly of claim 23, wherein said second portion of said mirror backing plate element has a curvature at least partially matching said spherical curvature.

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25 (original): The exterior sideview mirror assembly of claim 24, wherein the overall rearward field of view of said main plano mirror element combined with said auxiliary non-plano curved mirror element is at least about 25 degrees relative to the side of the equipped vehicle.

26 (original): The exterior sideview mirror assembly of claim 25, wherein the overall rearward field of view of said main plano mirror element combined with said auxiliary non-plano curved mirror element is less than about 50 degrees relative to the side of the equipped vehicle.

27 (original): The exterior sideview mirror assembly of claim 26, wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 5 degrees and about 15 degrees.

28 (original): The exterior sideview mirror assembly of claim 26, wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 8 degrees and about 10 degrees.

29 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element has a fixed reflectance and wherein said auxiliary non-plano curved mirror element has a fixed reflectance and wherein said fixed reflectance auxiliary non-plano curved mirror element comprises a curved glass substrate coated with a metallic reflector coating.

30 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element is disposed at said mirror backing plate element by at least one of an adhesive attachment and a mechanical attachment and wherein said auxiliary non-

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plano curved mirror element is disposed at said mirror backing plate element by at least one of an adhesive attachment and a mechanical attachment, and wherein said auxiliary non-plano curved mirror element comprises a bent glass substrate having a surface coated with a metallic reflector coating.

31 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element comprises a glass substrate having a surface coated with a metallic reflector coating and wherein said auxiliary non-plano curved mirror element comprises a glass substrate having a surface coated with a metallic reflector coating, and wherein said auxiliary non-plano curved mirror element comprises a bent glass substrate.

32 (original): The exterior sideview mirror assembly of claim 1, wherein said main plano mirror element comprises a substrate having a surface coated with a metallic reflector coating and wherein said auxiliary non-plano curved mirror element comprises a substrate having a surface coated with a metallic reflector coating, and wherein said second portion of said mirror backing plate element comprises a curvature corresponding to a curvature of said auxiliary non-plano curved mirror element, and wherein said second portion of said mirror backing plate element comprises at least one of (a) a spherical curvature, (b) an aspherical curvature and (c) a multiradius curvature.

33 (original): The exterior sideview mirror assembly of claim 1, wherein said auxiliary non-plano curved mirror element comprises a heater element operable to demist/deice the outmost surface of said auxiliary non-plano curved mirror element when said auxiliary non-plano curved mirror element is disposed at said mirror backing plate element and when said exterior sideview mirror assembly is attached and operated at the side of the equipped vehicle.

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34 (original): The exterior sideview mirror assembly of claim 1, wherein said exterior sideview mirror assembly comprises a driver-side exterior sideview mirror assembly.

35 (original): The exterior sideview mirror assembly of claim 34, wherein, when attached at the side of the equipped vehicle, said driver-side exterior sideview mirror assembly provides to the driver of the equipped vehicle a total rearward field of view that generally subtends an angle of at least about 25 degrees with respect to the side of the equipped vehicle.

36 (original): The exterior sideview mirror assembly of claim 1, wherein a ratio of the width of said main plano mirror element to the width of said auxiliary non-plano curved mirror element is greater than 1.5.

37 (original): The exterior sideview mirror assembly of claim 1, wherein said exterior sideview mirror assembly comprises a driver-side exterior sideview mirror assembly of the equipped vehicle, and wherein at least one of said main plano mirror element and said auxiliary non-plano curved mirror element comprises a glass substrate having a surface coated with a metallic reflector coating, and wherein said metallic reflector coating is selected from the group consisting of (i) a chromium coating, (ii) a titanium coating, (iii) a rhodium coating, (iv) a metal-alloy coating, (v) a nickel alloy coating, (vi) an aluminum coating and (vii) a silver coating.

38 (original): The exterior sideview mirror assembly of claim 1, wherein said auxiliary non-plano curved mirror element has a fixed reflectance and wherein said fixed reflectance auxiliary non-plano curved mirror element comprises a spherically bent glass substrate coated with a metallic reflector.

39 (original): The exterior sideview mirror assembly of claim 1, wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary

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field of view of said auxiliary non-plano curved mirror element by between about 5 degrees and about 15 degrees.

40 (original): The exterior sideview mirror assembly of claim 1, wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 8 degrees and about 10 degrees.

41-98 (canceled).

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Remarks:

The amendments and remarks presented herein are believed to be fully responsive to the Office Action dated August 16, 2013.

Claims 1-40 are pending in the application. Claims 41-98 have been canceled herein without prejudice so that the subject matter of these claims can be pursued in a divisional application in the future. The amendments are fully supported in the specification and drawings as originally filed. No new matter has been added.

Allowable Claims:

Claims 7-10 were indicated as being directed toward allowable subject matter and as being allowable if rewritten in independent form. Because Applicant has obviated the §102 rejection, discussed below, Applicant has not amended claims 7-10 to be in independent form and submits that claims 1-40 are now in condition for allowance.

Claim Rejections:

Claims 1-6 and 11-40 were rejected under 35 U.S.C. §102(e) as being anticipated by Lynam, U.S. Patent Publication No. 2002/0072026 ("Lynam '026"). Applicant respectfully traverses.

Applicant submits that Lynam '026 is not prior art to the present claims under 35 U.S.C. §102(e). Lynam '026 published June 13, 2002, and, as discussed below, the present application has an effective filing date of May 20, 2003 (the filing date of U.S. provisional application 60/471,872). Thus, Lynam '026 published prior to the priority date of the presently claimed invention and Lynam '026 cannot be cited as prior art under 35 U.S.C. §102(e).

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Also, because the present application has a priority date of May 20, 2003 that is less than one year after the publication date of Lynam '026 (June 13, 2002), and because (as discussed below) Applicant conceived and reduced to practice the invention claimed in at least independent claim 1 prior to the effective date of Lynam '026, Applicant respectfully submits that Lynam '026 is also not prior art under 35 U.S.C. §102(a).

The present application is a continuation of U.S. patent application Ser. No. 13/590,854, filed Aug. 21, 2012, which is a division of U.S. patent application Ser. No. 13/336,018, filed Dec. 23, 2011, now U.S. Patent No. 8,267,534, which is a continuation of U.S. patent application Ser. No. 12/911,274, filed October 25, 2010, now U.S. Patent No. 8,128,243, which is a continuation of U.S. patent application Ser. No. 12/851,045, filed August 5, 2010, now U.S. Patent No. 7,934,843, which is a continuation of U.S. patent application Serial No. 12/197,666, filed August 25, 2008, now U.S. Patent No. 7,842,154, which is a division of U.S. patent application Serial No. 10/709,434, filed May 5, 2004, now U.S. Patent No. 7,420,756, which claims the benefit of U.S. provisional application, Serial No. 60/471,872, filed May 20, 2003.

The present application incorporates by reference U.S. Patent Nos. 6,522,451 and 6,717,712. See, for example, paragraph [0045] on page 6 of the present application (reproduced below).

[0045] Reflective element 12 may comprise an aspheric or multi-radius or wide angle single element reflective element substrate. The reflective element 12 may provide a field of view similar to the plano-auxiliary reflective element assembly disclosed in U.S. Pat. Nos. 6,522,451 and 6,717,712, which are hereby incorporated herein by reference.

With respect to the priority provisional application Serial No. 60/471,872, this application similarly incorporates by reference U.S. Patent No. 6,522,451 and U.S. patent application Serial No. 09/745,172, filed December 20, 2000. U.S. patent application Serial No. 09/745,172 issued as U.S. Patent No. 6,717,712. Thus, the

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present application and each of the priority applications incorporate by reference the same disclosures.

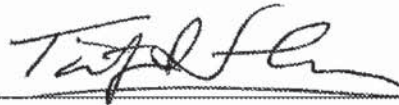
With respect to the rejection in view of Lynam '026, and in accordance with 37 CFR 1.131, Applicant submits herewith a Declaration which declares that the invention claimed in at least independent claim 1 was invented by Applicant prior to the publication date of Lynam '026, namely, June 13, 2002. The specification and drawings (Exhibit A) of U.S. patent application Serial No. 09/478,315, which was filed on January 6, 2000 by Niall R. Lynam (the sole named inventor of the present application), along with U.S. Patent No. 6,522,451 (Exhibit B), which issued to Lynam from U.S. patent application Serial No. 09/478,315, and the specification and drawings (Exhibit C) of U.S. patent application Serial No. 09/745,172, which was filed on December 20, 2000 by Niall R. Lynam et al., along with U.S. Patent No. 6,717,712 (Exhibit D), which issued to Lynam et al. from U.S. patent application Serial No. 09/745,172, are submitted with the Declaration as corroborative evidence that the present invention was reduced to practice prior to the Lynam '026 publication date of June 13, 2002 (and at or prior to the December 20, 2000 filing date of the application that published as Lynam '026). The Declaration is signed by the named inventor (Niall R. Lynam) for the present application. The attached specification and drawings of Exhibits A-D clearly corroborate that the invention claimed in at least independent claim 1 was reduced to practice well prior to June 13, 2002, the publication date of Lynam '026, and at or prior to December 20, 2000, the filing date of the application that published as Lynam '026.

Accordingly, the rejection of claims 1-6 and 11-40 under §102(e) in view of Lynam '026 is obviated, and reconsideration and withdrawal of this rejection is respectfully requested.

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Claims 1-40 are pending in the application. Applicant respectfully submits that claims 1-40 are in condition for allowance and a notice to that effect is earnestly and respectfully requested.

Respectfully submitted,



Date: August 21, 2013

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit : 2872
Examiner : Alessandro V. Amari
Inventor : Niall R. Lynam
Serial No. : 13/776,091
Filed : February 25, 2013
For : EXTERIOR SIDEVIEW MIRROR ASSEMBLY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER RULE 131(a)

Niall R. Lynam, the inventor and Applicant in the above referenced patent application, declares as follows:

1. Prior to June 13, 2002, the inventor and Applicant conceived of the claimed invention of at least the independent claims as filed in the present application. For example, and with reference to claim 1 of the present application, the inventor and Applicant conceived of an exterior rearview mirror assembly comprising:
 - a. a mirror housing;
 - b. a mirror backing plate element;
 - c. wherein said mirror backing plate element is movable within said mirror housing by an electrically-operable actuator;
 - d. a main plano mirror element fixedly disposed at a first portion of said mirror backing plate element;
 - e. said main plano mirror element having a first primary field of view rearward of a vehicle equipped with said exterior sideview mirror assembly;
 - f. an auxiliary non-plano curved mirror element fixedly disposed at a second portion of said mirror backing plate element;

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Page : 2

- g. wherein said main plano mirror element and said auxiliary non-plano curved mirror element are adjacently disposed at said mirror backing plate element in a side-by-side relationship and are not superimposed with one mirror element on top of the other mirror element;
 - h. wherein said mirror backing plate element comprises a polymeric molding;
 - i. said auxiliary non-plano curved mirror element having a second auxiliary field of view rearward of the equipped vehicle;
 - j. wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element;
 - k. wherein said auxiliary non-plano curved mirror element that is at said second portion of said mirror backing plate element is angled relative to said main plano mirror element that is at said first portion of said mirror backing plate element;
 - l. wherein said mirror backing plate element mounts to said actuator such that movement of said mirror backing plate element by said actuator simultaneously and similarly moves said main plano mirror element and said auxiliary non-plano curved mirror element;
 - m. wherein said main plano mirror element comprises one of (a) a generally flat glass substrate having a surface coated with a metallic reflector coating and (b) a generally flat polymeric substrate having a thin glass element applied to a surface thereof and with an opposing surface thereof having a reflecting layer applied thereto; and
 - n. wherein said first primary field of view of said main plano mirror element overlaps said second auxiliary field of view of said auxiliary non-plano curved mirror element by between about 2 degrees and about 20 degrees.
2. The invention of at least the independent claims of the present application was reduced to practice sometime prior to June 13, 2002, as evidenced by the attached specification and drawings (Exhibit A), which were filed with the United States Patent and Trademark Office on January 6, 2000 by Niall R. Lynam, and assigned Serial No. 09/478,315, as evidenced by the attached U.S. Patent No. 6,522,451 (Exhibit B), which issued February 18, 2003 from the 09/478,315 application, and as also evidenced by the

Applicant : Niall R. Lynam
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attached specification and drawings (Exhibit C), which were filed with the United States Patent and Trademark Office on December 20, 2000 by Niall R. Lynam, and assigned Serial No. 09/745,172, as evidenced by the attached U.S. Patent No. 6,717,712 (Exhibit D).

3. I am the sole named inventor of U.S. patent application Serial No. 13/776,091 (the present application) and I am the sole named inventor of U.S. patent application Serial No. 09/478,315 (Exhibit A), which issued as U.S. Patent No. 6,522,451 (Exhibit B) and I am a co-inventor of U.S. patent application Serial No. 09/745,172 (Exhibit C), which issued as U.S. Patent No. 6,717,712 (Exhibit D).

I hereby declare that all activities relating to the conception and reduction to practice of the above invention occurred in the United States.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, as set forth under section 1001, title 18, of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Inventor:



Niall R. Lynam

Date:





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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NOTICE OF ALLOWANCE AND FEE(S) DUE

15671 7590 09/27/2013
Gardner, Linn, Burkhardt & Flory, LLP
2851 Charlevoix Dr.
SE, Suite 207
Grand Rapids, MI 49546

EXAMINER

AMARI, ALESSANDRO V

ART UNIT

PAPER NUMBER

2872

DATE MAILED: 09/27/2013

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/776,091	02/25/2013	Niall R. Lynam	DON09 P-2048	1002

TITLE OF INVENTION: EXTERIOR SIDEVIEW MIRROR ASSEMBLY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1780	\$300	\$0	\$2080	12/27/2013

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

15671 7590 09/27/2013
 Gardner, Linn, Burkhardt & Flory, LLP
 2851 Charlevoix Dr.
 SE, Suite 207
 Grand Rapids, MI 49546

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/776,091	02/25/2013	Niall R. Lynam	DON09 P-2048	1002

TITLE OF INVENTION: EXTERIOR SIDEVIEW MIRROR ASSEMBLY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1780	\$300	\$0	\$2080	12/27/2013

EXAMINER	ART UNIT	CLASS-SUBCLASS
AMARI, ALESSANDRO V	2872	359-866000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see form PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/776,091	02/25/2013	Niall R. Lynam	DON09 P-2048	1002

15671	7590	09/27/2013
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SE, Suite 207		
Grand Rapids, MI 49546		

EXAMINER	
AMARI, ALESSANDRO V	

ART UNIT	PAPER NUMBER
2872	

DATE MAILED: 09/27/2013

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/776,091	Applicant(s) LYNAM, NIAL R.	
	Examiner ALESSANDRO AMARI	Art Unit 2872	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 8/21/2013.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-40. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

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REASONS FOR ALLOWANCE

The declaration filed on 21 August 2013 under 37 CFR 1.131(a) is sufficient to overcome the Lynam et al US 2002/0072026 reference.

Allowable Subject Matter

Claims 1-40 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1 is allowable for at least the reason, "wherein said first primary field of view of said main piano mirror element overlaps said second auxiliary field of view of said auxiliary non-piano curved mirror element; wherein said auxiliary non-piano curved mirror element that is at said second portion of said mirror backing plate element is angled relative to said main piano mirror element that is at said first portion of said mirror backing plate element; wherein said mirror backing plate element mounts to said actuator such that movement of said mirror backing plate element by said actuator simultaneously and similarly moves said main piano mirror element and said auxiliary non-piano curved mirror element; wherein said main piano mirror element comprises one of (a) a generally flat glass substrate having a surface coated with a metallic reflector coating and (b) a generally flat polymeric substrate having a thin glass element applied to a surface thereof and with an opposing surface thereof having a reflecting layer applied thereto; and wherein said first primary field of view of said main piano mirror element overlaps said second auxiliary field of view of said auxiliary non-piano

curved mirror element by between about 2 degrees and about 20 degrees” as set forth in the claimed combination. Claims 2-40 are allowable due to their dependence on claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALESSANDRO AMARI whose telephone number is (571)272-2306. The examiner can normally be reached on Monday-Friday 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Pham can be reached on (571) 272-3689. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alessandro Amari/
Primary Examiner, Art Unit 2872