

Exhibit 5A - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- Gomaco GHP-2600 4-Track Slipform Paver (“the GHP-2600”)
 - Exemplary evidence of the GHP-2600 includes:
 - New Generation GHP-2600 4-Track Paver Owner/Operator’s Manual (2007) (“G21 Manual”)
 - GHP-2600 4-Track Paver with G22 Controls Owner/Operator’s Manual (2009) (“G22 Manual”)
 - Gomaco GHP-2600 Partsbook No. 905300-138 (April 25, 2008) (“Parts Book”)
 - Gomaco World, Vol. 37 No. 1 (2009) (“Gomaco World”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,029,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website/Product (2008): <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- All references are 102(b) references.

Grounds of Invalidity

- Based on the GHP-2600 and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Rio.

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

- Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the GHP-2600, in view of Rio and Widdrington or IMO 2008.
- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Rio, Widdrington or IMO 2008, and Tochizawa.
- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Rio, and Tochizawa.
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- Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Rio and the Commander III Machine/CIII Manual/Publication(s)
- Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over GHP-2600, Rio, and Swisher or Littman
- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Rio and Tochizawa
- Based on the GHP-2600 and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Littman, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600 in view of Littman and the Commander III Machine/CIII Manual/Publication(s)
 - Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over GHP-2600, Littman, and Swisher or Rio
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2600, in view of Littman and Tochizawa

Exhibit 5B - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- Gomaco GHP-2800 4-Track Slipform Paver (“the GHP-2800”)
 - Exemplary evidence of the GHP-2800 includes:
 - New Generation GHP-2800 4-Track Paver Owner/Operator’s Manual (2007) (“G21 Manual”)
 - GHP-2800 4-Track Paver with G22 Controls Owner/Operator’s Manual (2010) (“G22 Manual”)
 - “GHP-2800 Slipform Paver,” Gomaco: The Worldwide Leader in Concrete Paving Technology (2008) (“GHP-2800 Brochure”)
 - Gomaco GHP-2800 Partsbook No. 905200-154 (June 12, 2008) (“Parts Book”)
 - Gomaco World, Vol. 33 No. 1 (2005) (“Gomaco World”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,029,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website (2008)/Product: <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- All references are 102(b) references.

Grounds of Invalidity

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

- Based on the GHP-2800 and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the GHP-2800, in view of Rio and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Rio, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Rio, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Rio, CIII/CIII-Manual/CIII-Parts-Manual.
 - Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over GHP-2800, Rio, and Swisher or Littman
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Rio and Tochizawa
- Based on the GHP-2800 and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Littman, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800 in view of Littman, CIII-Manual, and CIII-Parts-Manual.
 - Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over GHP-2800, Littman, and Swisher or Rio
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the GHP-2800, in view of Littman and Tochizawa

Exhibit 5C - Invalidity Chart for U.S. Patent 10,196,101 B2¹

List of References

- U.S. Patent No. 3,970,405 (“Swisher”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,019,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco GT-3300 Trimmer/Slipform Paver Parts Manual (GT-3300-Parts-Manual)
- Gomaco GT-3300 Trimmer/Slipform Paver Operators’ Manual (1987) (GT-3300-Op-Manual)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website (2008): <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- All references are 102(b) references.

Grounds of Invalidity

- Based on GT-3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over GT-3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual, in view of Rio and Widdrington or IMO 2008.

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over GT-3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio, and Tochizawa.
- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over GT-3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio, Widdrington or IMO 2008, and Tochizawa.
- Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio, Commander III Machine/CIII Manual/Publication(s)
- Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio and Swisher or Littman.
- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Rio and Tochizawa
- Based on GT-3300 and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman, Commander III Machine/CIII Manual/Publication(s)
 - Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual in view of Littman and Swisher or Rio.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over -3300 Machine/GT-3300-Op-Manual/GT-3300-Parts-Manual , in view of Littman and Tochizawa

Exhibit 5D - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- Admitted Prior Art (“167 Patent” or “APA”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,019,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website/Product (2008): <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- All references are 102(b) references.

Grounds of Invalidity

- Based on APA and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over APA, in view of Rio and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Rio, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Rio, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over APA in view of Rio, CIII/CIII-Manual/CIII-Parts-

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

Manual.

- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Rio and Tochizawa
- Based on APA and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over APA in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over APA in view of Littman, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over APA in view of Littman, CIII/CIII-Manual/CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over APA, in view of Littman and Tochizawa

Exhibit 5E - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- CIII Machine/Manual/Schematic (collectively CIII)
 - Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
 - Gomaco schematic 900151-017
- U.S. Patent No. 3,970,405 (“Swisher”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,019,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- IMO Group Website (2008)/Product: <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco COMMI Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- Admitted Prior Art (“101 Patent” or “APA”)
- All references are 102(b) references.

Grounds of Invalidity

- CIII and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over CIII and Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over CIII, Rio, and Widdrington or IMO 2008.
 - Claims 4-7 is invalid under 35 U.S.C. § 103 as obvious over CIII, Swisher, Rio, Widdrington or IMO 2008, and

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

Tochizawa.

- Claims 4-7 is invalid under 35 U.S.C. § 103 as obvious over CIII, Swisher, Rio, and Tochizawa.
- Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over CIII, Rio, and Swisher or Littman
- Claim 14-19 are invalid under 35 U.S.C. § 103 as obvious over CIII, Rio, and Tochizawa.
- CIII and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over CIII and Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over CIII, Littman, and Widdrington or IMO 2008.
 - Claims 4-7 is invalid under 35 U.S.C. § 103 as obvious over CIII, Swisher, Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 is invalid under 35 U.S.C. § 103 as obvious over CIII, Swisher, Littman, and Tochizawa.
 - Claims 10 and 12 are invalid under 35 U.S.C. § 103 as obvious over CIII, Littman, and Swisher or Rio
 - Claim 14-19 are invalid under 35 U.S.C. § 103 as obvious over CIII, Littman, and Tochizawa.

Exhibit 5F - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- U.S. Patent No. 3,970,405 (“Swisher”)
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,019,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website/Product (2008): <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)
- All references are 102(b) references.

Grounds of Invalidity

- Based on Swisher and Rio
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Swisher, in view of Rio and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Rio, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Rio, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Rio, CIII/CIII-Manual/CIII-Parts-

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

Manual.

- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Rio and Tochizawa
- Based on Swisher and Littman
 - Claims 1, 2, 3, 8-13 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Littman, and Tochizawa.
 - Claims 9 and 13 invalid under 35 U.S.C. § 103 as obvious over Swisher in view of Littman, CIII/CIII-Manual/CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Swisher, in view of Littman and Tochizawa

Exhibit 5G - Invalidity Chart for U.S. Patent 10,196,101¹

List of References

- U.S. Patent No. 9,684,308 (“Dahm308”)
- U.S. Patent No. 9,388,537 (“Dahm537”)
- Wirtgen SP 84i Slipform Paver (“SP 84i”)
 - Exemplary Evidence:
 - <https://www.youtube.com/watch?v=GEyJglXr8iM>
 - <https://www.roadsbridges.com/wirtgen-sp-84i>
 - <https://www.forconstructionpros.com/concrete/equipment-products/concrete-pavers/product/10873763/wirtgen-america-wirtgen-sp-80i-series-slipform-concrete-pavers>
 - <https://moviter.pt/en/l/industrial-brands/sp82i-sp84i/>
 - https://moviter.pt/wp-content/uploads/download-manager-files/Wirtgen_SP82_SP82i_SP84_SP84i_EN.pdf
 - <https://www.worldhighways.com/index.php/products/wirtgen-offers-sophisticated-concrete-paving-system>
- U.S. Patent No. 7,523,995 (“Rio”)
- U.S. Patent No. 4,558,758 (“Littman”)
- U.S. Patent No. 4,029,165 (“Miller”)
- U.S. Patent No. 3,252,349 (“Widdrington”)
- U.S. Patent No. 5,735,066 (“Tochizawa”)
- Gomaco CIII Operator/Service Manual (2007) Serial No. 900100-776 (“CIII-Manual”)
- Gomaco COMMIII Curb and Gutter (2007) Serial No. 900100-776, Partsbook No. 900100-776 (“CIII-Parts-Manual”)
- IMO Group Website (2008): <https://web.archive.org/web/20081207001437/http://www.goimo.com:80/> (“IMO 2008”)

¹ Identified herein are exemplary portions of the references based on presently available information and G&Z’s current allegations. Gomaco expressly reserves the right to rely on uncited portions of the prior art references, other documents subject to discovery, and Gomaco’s expert reports to provide context and/or to aid in understanding the cited portions of the references. Where Gomaco cites to particular citations or references in dependent claims, these citations and references should be understood to encompass all the citations and references identified in the independent claim(s) from which the dependent claims depend. Furthermore, the motivations to combine particular references identified in connection with the independent claims apply equally to the dependent claims, and the citations in the dependent claims should be understood to encompass the motivations to combine presented in the independent claims. These contentions are not an admission by Gomaco as to the proper scope of any asserted claim or the proper construction of any asserted claim, and citations may be based on G&Z’s apparent construction of the claims.

- All references are 102(b) references.

Grounds of Invalidity

- Based on Dahm308
 - Claims 1-19 are invalid under 35 U.S.C. § 102 as anticipated by Dahm308.
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm308.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm308, in view of Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Rio, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Tochizawa
- Based on Dahm308 and Rio
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm308, in view of Rio and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Rio, Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Rio, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Rio and Tochizawa
- Based on Dahm308 and Littman
 - Claims 1, 2, 8, and 10-12 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm308 in view of Littman, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm308, in view of Littman and Tochizawa.
- Based on Dahm537
 - Claims 1-19 are invalid under 35 U.S.C. § 102 as anticipated by Dahm537.
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm537.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm537, in view of Widdrington or IMO 2008.

- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Widdrington or IMO 2008, and Tochizawa.
- Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Rio, CIII-Manual, and CIII-Parts-Manual.
- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Tochizawa
- Based on Dahm537 and Rio
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm537, in view of Rio and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Rio, Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Rio, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Rio and Tochizawa
- Based on Dahm537 and Littman
 - Claims 1, 2, 8, and 10-12 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over Dahm537 in view of Littman, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over Dahm537, in view of Littman and Tochizawa.
- Based on the SP 84i
 - Claims 1-19 are invalid under 35 U.S.C. § 102 as anticipated by the SP 84i.
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the SP 84i, in view of Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Rio, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Tochizawa
- Based on the SP 84i and Rio
 - Claims 1-19 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Rio.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the SP 84i, in view of Rio and Widdrington or IMO 2008.

- Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Rio, Widdrington or IMO 2008, and Tochizawa.
- Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Rio, CIII-Manual, and CIII-Parts-Manual.
- Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Rio and Tochizawa
- Based on the SP 84i and Littman
 - Claims 1, 2, 8, and 10-12 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Littman.
 - Claim 3 is invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Littman and Widdrington or IMO 2008.
 - Claims 4-7 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Littman, Widdrington or IMO 2008, and Tochizawa.
 - Claims 9 and 13 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i in view of Littman, CIII-Manual, and CIII-Parts-Manual.
 - Claims 14-19 are invalid under 35 U.S.C. § 103 as obvious over the SP 84i, in view of Littman and Tochizawa.