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EP1067595 - Liquid precursor mixtures for deposition of multicomponent metal containing materials [Right-click to bookmark this link]

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Most recent event	11.12.2009	Application deemed to be withdrawn	published on 13.01.2010 [2010/02]
Applicant(s)	For all designated states AIR PRODUCTS AND CHEMICALS, INC. 7201 Hamilton Boulevard Allentown, PA 18195-1501 / US [2001/02] 01 / Senzaki, Yoshihide 6808 Urubu Street Carlsbad, CA 92009 / US 02 / Roberts, David Allen 280 Countryhaven Encinitas, CA 92024 / US 03 / Norman, John Anthony Thomas 709 West Bluff Drive Encinitas, CA 92024 / US [2001/02]		
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Representative(s)	00114321.3 [2001/02]		
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Designated contracting states	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE [2001/02]		
Title	German:	Mischungen von flüssigen Vorläuferverbindungen für die Abscheidung von metallhaltigen Materialien mit vielen Komponenten	[2001/02]
	English:	Liquid precursor mixtures for deposition of multicomponent metal containing materials	[2001/02]
	French:	Mélanges de précurseurs liquides pour la déposition de matériaux métalliques à multiples composants	[2009/13]
Examination procedure	21.02.2002	Examination requested [2002/18]	
	10.07.2008	Despatch of a communication from the examining division (Time limit: M04)	
	05.11.2008	Reply to a communication from the examining division	
	13.03.2009	Communication of intention to grant the patent	
	24.07.2009	Application deemed to be withdrawn, date of legal effect [2010/02]	
	27.08.2009	Despatch of communication that the application is deemed to be withdrawn, reason: fee for grant / fee for printing not paid in time [2010/02]	
Fees paid	Renewal fee		
	04.07.2002	Renewal fee patent year 03	
	04.07.2003	Renewal fee patent year 04	
	09.07.2004	Renewal fee patent year 05	
	08.07.2005	Renewal fee patent year 06	
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	10.07.2008	Renewal fee patent year 09	
	Penalty fee		
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31.07.2009	10 M06 Not yet paid		
Documents cited:	Search	[XY]US3632429 (MAEDA TEIZO, et al) [X] 1,9,10,12,13 * column 3, line 42 - line 61 * [Y] 2-6;	
		[XY]US5417823 (NARULA CHAITANYA K [US], et al) [X] 1,10,11,13,14 * column 2, line 31 - line 61; example 4 * [Y] 2,7,8;	
		[XA]JPS60108338 ;	
		[YA]US5464666 (FINE STEPHEN M [US], et al) [Y] 2-8 * examples 3,4 * [A] 10,11,13;	
		[AD]US5204314 (KIRLIN PETER S [US], et al) [AD] 1-21 * column 9, line 26 - line 37 *;	

	[A]WO9928051 (MINNESOTA MINING & MFG [US]) [A] 1-21 * page 2, line 23 - page 3, line 20 * * page 10, line 24 - page 11, line 18 *;
	[A]US5262199 (DESU SESHU [US], et al) [A] 19 * claims 20-24 *;
	[A]JPH1174478 ;
	[A]US5208284 (NIEBYLSKI LEONARD M [US]) [A] 21 * column 1, line 40 - column 3, line 51 *
	[XA] - PATENT ABSTRACTS OF JAPAN, (19851011), vol. 009, no. 254, Database accession no. (C - 308), [X] 1 * abstract * [A] 10,14,17,19
	[A] - ATAGI L M ET AL, "HOMOLEPTIC TIN AND SILICON AMIDO COMPOUNDS AS PRECURSORS FOR LOW-TEMPERATURE ATMOSPHERIC PRESSURE CHEMICAL VAPOR DEPOSITION OF TIN AND SILICON OXIDE THIN FILMS", CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, (19940401), vol. 6, no. 4, ISSN 0897-4756, pages 360 - 361, XP000483694 [A] 15,16 * the whole document * DOI: http://dx.doi.org/10.1021/cm00040a005
	[A] - 1, vol. 1999, no. 21, Database accession no. 1999-250898, XP002183078 [A] 18,20 * abstract *