

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Marc Krüger

Art Unit: TBA

Application No.: TBA

Examiner: TBA

Filed: Herewith

Conf. No.: TBA

For: PORTION CAPSULE HAVING AN IDENTIFIER

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

INFORMATION DISCLOSURE STATEMENT

Applicant submits this statement in accordance with its duty of disclosure under 37 C.F.R. §§ 1.56, 1.97, and 1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Form PTO/SB/08a is submitted herewith. Copies of foreign patent documents and non-patent literature have not been provided due to their presence in the parent application to this application (see MPEP 609.02(A)(2)), and Applicant notes that this section requires the Examiner to consider all of the references previously submitted to the USPTO even if not listed in any Information Disclosure Statement filed in this application. Applicant is resubmitting these references on the attached form PTO/SB/08a so that all of the references are listed on the face of the patent. However, to the extent that any references have been inadvertently overlooked, or otherwise are not resubmitted on this form, Applicant respectfully requests consideration of the previously submitted references as is set forth in MPEP 609.02(A)(2) and inclusion of such references on the face of the patent. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

This Information Disclosure Statement is being submitted prior to the mailing of a first Office Action or Notice of Allowance. No fees are believed to be due; however, if any fee is due with the filing of this paper, please charge the amount to Deposit Account 50-1097.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	TBA
	Filing Date	Herewith
	First Named Inventor	Marc Krüger
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

U.S. PATENTS					
Examiner Initials*	Cite No.	Patent Number	Kind Code	Issue Date	Name of Patentee or Applicant of cited Document
	1.	923,706		01/11/1909	Richey et al.
	2.	1,036,589		11/10/1911	Eggleston
	3.	1,051,426		02/15/1911	Matheson
	4.	1,329,461		02/03/1920	Frantz
	5.	1,485,200		02/26/1924	Roberts et al.
	6.	1,689,665		10/30/1928	Cramp
	7.	2,732,919		01/31/1956	Johnson
	8.	2,778,739		01/22/1957	Rodth
	9.	2,847,726		08/19/1958	Frick
	10.	3,039,153		06/19/1962	Dusing
	11.	3,183,096		05/11/1965	Hiscock
	12.	3,261,129		07/19/1966	Brydolf et al.
	13.	3,327,428		06/27/1967	Horton et al.
	14.	3,363,588		01/16/1968	Harrington et al.
	15.	3,416,183		12/17/1968	Martin
	16.	3,473,266		10/21/1969	Miller
	17.	3,480,989		12/02/1969	Edeus
	18.	3,611,637		10/12/1971	Saino
	19.	3,631,793		06/23/1969	Bednartz
	20.	3,640,727		02/08/1972	Heusinkveld
	21.	4,081,880		04/04/1978	Edeus
	22.	4,325,204		04/20/1982	Martine
	23.	4,404,770		09/20/1983	Markus
	24.	4,424,605		01/10/1984	Squires et al.
	25.	4,452,014		06/05/1984	Markus
	26.	4,488,387		12/18/1984	Foti
	27.	4,513,535		04/30/1985	Uphoff
	28.	4,534,985		08/13/1985	Gasau
	29.	4,540,595		09/10/1985	Acitelli et al.
	30.	4,633,614		01/06/1987	Van Weelden
	31.	4,644,151	A	05/12/1987	Piet
	32.	4,651,469		03/24/1987	Ngian et al.
	33.	4,676,482	A1	11/04/1987	Marvin et al.
	34.	4,680,828		07/21/1987	Cook et al.
	35.	4,742,645		05/10/1988	Johnston
	36.	4,859,337		08/22/1989	Woltermann
	37.	4,860,645	A	08/29/1989	Van Der Lijn et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	TBA
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	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	38.	4,867,993		09/19/1989	Nordskog
	39.	4,881,346		11/29/1989	Block
	40.	4,936,049		06/26/1990	Hansen
	41.	4,976,179		12/11/1990	Lacrouts-Cazenave
	42.	5,012,629		05/07/1991	Rehman et al.
	43.	5,028,769	A	07/02/1991	Claypool et al.
	44.	5,079,872		01/14/1992	Short
	45.	5,108,768	A	04/28/1992	So
	46.	5,242,702	A	09/07/1993	Fond
	47.	5,243,164	A	09/07/1993	Erickson et al.
	48.	5,251,758	A	10/12/1993	Kolacek
	49.	5,285,041	A	02/08/1994	Wright
	50.	5,301,468		04/12/1994	Kameaki
	51.	5,325,765	A	07/05/1994	Sylvan et al.
	52.	5,351,442	A	10/04/1994	Gingras
	53.	5,450,693	A	09/19/1995	Tarrega
	54.	5,460,078	A	10/24/1995	Weller
	55.	5,461,829	A	10/31/1995	Lehto et al.
	56.	5,496,573	A	03/05/1996	Tsuji et al.
	57.	5,501,945	A	03/26/1996	Kanakkanatt
	58.	5,535,765	A	07/16/1996	Takashima
	59.	5,566,505	A	10/22/1996	Kameaki
	60.	5,601,716	A	02/11/1997	Heinrich et al.
	61.	5,637,850	A	06/10/1997	Honda
	62.	5,656,311	A	08/12/1997	Fond
	63.	5,677,522	A	10/14/1997	Rice et al.
	64.	5,725,261	A	03/10/1998	Rahn
	65.	5,742,979	A	04/28/1998	Garcia-Hernando
	66.	5,840,189	A	11/24/1998	Sylvan et al.
	67.	5,888,549	A	03/30/1999	Buchholz et al.
	68.	5,895,672	A	04/20/1999	Cooper
	69.	5,917,165	A	06/29/1999	Platt et al.
	70.	5,941,055	A	08/24/1999	Coates
	71.	5,948,455	A	09/07/1999	Schaeffer et al
	72.	5,980,743	A	11/09/1999	Bairischer
	73.	5,994,677	A	11/30/1999	Akerlind
	74.	6,082,499	A	07/04/2000	O'Donnell
	75.	6,153,026	A	11/28/2000	Michotte
	76.	6,199,780	B1	03/13/2001	Görlitz
	77.	6,250,016	B1	06/26/2001	Gravel
	78.	6,289,643	B1	09/18/2001	Bonar

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	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	79.	6,299,926	B1	10/09/2001	Balakrishnan et al.
	80.	6,440,256	B1	08/27/2002	Gordon et al.
	81.	6,451,332	B1	09/17/2002	Tanaka et al.
	82.	6,589,577	B2	07/08/2003	Lazaris et al.
	83.	6,598,800	A1	07/29/2003	Schmit et al.
	84.	6,607,762	B2	08/19/2003	Lazaris et al.
	85.	6,627,244	B2	09/30/2003	Omura
	86.	6,645,537	B2	11/11/2003	Sweeney et al.
	87.	6,655,260	B2	12/02/2003	Lazaris
	88.	6,861,086	B2	03/01/2005	Buckingham et al.
	89.	6,871,448	B1	03/29/2005	Kline
	90.	6,948,420	B2	09/27/2005	Kirschner et al.
	91.	6,994,879	B2	02/07/2006	Cirigliano et al.
	92.	7,408,094	B2	08/05/2008	Little et al.
	93.	7,444,925	B2	02/07/2006	Cirigli
	94.	7,464,518	B2	12/16/2008	Ansinn
	95.	7,543,527	B2	06/09/2009	Schmed
	96.	7,552,672	B2	06/30/2009	Schmed
	97.	7,595,870	B2	09/29/2009	Ringlien
	98.	7,673,558	B2	03/09/2010	Panesar et al.
	99.	7,685,930	B2	03/30/2010	Mandralis et al.
	100	7,712,258	B2	05/11/2010	Ewing et al
	101	7,743,557	B2	06/29/2010	Liao
	102	7,779,578	B2	08/24/2010	Gray
	103	7,815,953	B2	10/19/2010	Mastropasqua et al.
	104	7,935,646	B2	05/03/2011	Viazmensky et al.
	105	7,946,217	B2	05/24/2011	Favre et al.
	106	7,981,451	B2	07/19/2011	Ozanne
	107	8,039,029	B2	10/18/2011	Ozanne
	108	8,039,034	B2	10/18/2011	Ozanne
	109	8,039,034	B2	10/18/2011	Ozanne
	110	8,088,423	B2	01/03/2012	Ohresser et al.
	111	8,109,200	B2	02/07/2012	Hansen
	112	8,114,461	B2	02/14/2012	Perlman et al.
	113	8,163,318	B2	04/24/2012	Ozanne et al.
	114	8,168,908	B2	05/01/2012	Heimann
	115	8,257,766	B2	09/04/2012	Yoakim et al.
	116	8,276,639	B2	10/02/2012	Binacchi

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	First Named Inventor	Marc Krüger
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	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	117	8,361,527	B2	01/29/2013	Winkler et al.
	118	8,443,549	B2	05/21/2013	Salvietti et al.
	119	8,474,368	B2	07/02/2013	Kilber et al.
	120	8,491,948	B2	07/23/2013	Ozanne et al.
	121	8,491,976	B2	07/23/2013	Sato et al.
	122	8,505,440	B2	08/13/2013	Kirschner et al.
	123	8,512,886	B2	08/20/2013	Ozanne
	124	8,579,006	B2	11/12/2013	Levin
	125	8,734,881	B2	05/27/2014	Yoakim et al.
	126	8,747,775	B2	06/10/2014	Sandvick
	127	8,794,125	B1	08/05/2014	Rivera
	128	8,906,436	B2	12/09/2014	Nowak
	129	8,916,220	B2	12/23/2014	Mahlich et al.
	130	8,956,672	B2	02/17/2015	Yoakim et al.
	131	9,049,958	B2	06/09/2015	Fischer
	132	9,072,402	B2	07/07/2015	Ryser
	133	9,079,705	B2	07/14/2015	Digiuni
	134	9,145,730	B1	09/29/2015	Santamaria
	135	9,150,347	B2	10/06/2015	Scheiber
	136	9,204,751	B2	12/08/2015	Peterson
	137	9,216,854	B2	12/22/2015	Schreiber
	138	9,227,837	B2	01/05/2016	Reinmuth
	139	9,271,602	B2	03/01/2016	Beaulieu et al.
	140	9,290,317	B2	03/22/2016	Quinn et al.
	141	9,295,278	B2	03/29/2016	Nowak
	142	9,357,791	B2	06/07/2016	Fountain et al.
	143	9,359,126	B2	06/07/2016	Wong et al.
	144	9,359,128	B2	06/07/2016	Mahlich
	145	9,392,902	B2	07/19/2016	Parentes et al.
	146	9,394,101	B2	07/19/2016	Empl
	147	9,409,703	B2	08/09/2016	Krüger et al.
	148	9,409,704	B2	08/09/2016	Digiuni et al.
	149	9,415,931	B2	08/16/2016	Gerbaulet et al.
	150	9,428,328	B2	08/30/2016	Trombetta et al.
	151	9,428,329	B2	08/30/2016	Trombetta et al.
	152	9,434,525	B2	09/06/2016	Fabozzi et al.
	153	9,486,108	B1	11/08/2016	Douglas et al.
	154	9,808,112	B2	11/07/2017	Favero et al.

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U.S. PATENT APPLICATION PUBLICATIONS					
Examiner Initials*	Cite No.	Publication Number	Kind Code	Publication Date	Name of Patentee or Applicant of cited Document
	1.	2001/0038204	A1	11/08/2001	Nojima et al
	2.	2001/0047724	A1	12/06/2001	Lazaris
	3.	2001/0181005	A1	08/09/2007	Kirschner et al.
	4.	2002/0020659	A1	02/21/2002	Sweeney
	5.	2002/0048621	A1	04/25/2002	Boyd et al.
	6.	2002/0088807	A1	07/11/2002	Perkovic et al.
	7.	2002/0104373	A1	08/08/2002	Ishihara et al.
	8.	2002/0110626	A1	08/15/2002	Buckingham et al.
	9.	2003/0005826	A1	01/09/2003	Sargent et al.
	10.	2003/0033938	A1	02/20/2003	Halliday et al.
	11.	2003/0039731	A1	02/27/2003	Dalton et al.
	12.	2003/0121979	A1	07/03/2003	Haens et al.
	13.	2003/0172813	A1	09/18/2003	Schifferle
	14.	2003/0222089	A1	12/04/2003	Hale
	15.	2004/0045443	A1	03/11/2004	Lazaris et al.
	16.	2004/0089158	A1	05/13/2004	Mahlich
	17.	2004/0089602	A1	05/13/2004	Heinrich et al.
	18.	2004/0115310	A1	06/17/2004	Yoakim et al.
	19.	2004/0142070	A1	07/22/2004	Haen
	20.	2004/0182250	A1	09/23/2004	Halliday et al.
	21.	2005/0000164	A1	01/06/2005	Jacobs
	22.	2005/0016383	A1	01/27/2005	Kirschner et al.
	23.	2005/0045566	A1	03/03/2005	Larkin et al.
	24.	2005/0051478	A1	03/10/2005	Karanikos et al.
	25.	2005/0150391	A1	07/14/2005	Schifferle
	26.	2005/0160919	A1	07/28/2005	Balkau
	27.	2005/0183581	A1	08/25/2005	Kirschner et al.
	28.	2005/0235571	A1	10/27/2005	Ewing et al.
	29.	2005/0266122	A1	12/01/2005	Franceschi
	30.	2006/0084344	A1	04/20/2006	Bonneh
	31.	2006/0107841	A1	05/25/2006	Schifferle
	32.	2006/0194004	A1	08/31/2006	Niemoller et al.
	33.	2006/0228447	A1	10/12/2006	Ganesan et al.
	34.	2006/0236871	A1	10/26/2006	Ternite et al.
	35.	2007/0148290	A1	06/28/2007	Ternite et al.
	36.	2007/0157821	A1	07/12/2007	Panesar et al.
	37.	2007/0181005	A1	08/09/2007	Kirschner et al.

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	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	38.	2007/0181412	A1	08/09/2007	Raunig
	39.	2007/0203587	A1	08/30/2007	Erlandsson et al.
	40.	2007/0257118	A1	11/08/2007	Riley et al.
	41.	2007/0283640	A1	12/13/2007	Shivak et al.
	42.	2008/0026121	A1	01/31/2008	Mastropasqua et al.
	43.	2008/0028946	A1	02/07/2008	Kirschner et al.
	44.	2008/0038441	A1	02/14/2008	Kirschner
	45.	2008/0085356	A1	04/10/2008	Colliver et al.
	46.	2008/0148948	A1	06/26/2008	Evers et al.
	47.	2008/0187638	A1	08/07/2008	Hansen
	48.	2008/0245236	A1	10/09/2008	Ternite et al.
	49.	2008/0299262	A1	12/04/2008	Reati
	50.	2008/0302251	A1	12/11/2008	Rijskamp et al.
	51.	2009/0004343	A1	01/01/2009	Xiong et al.
	52.	2009/0007793	A1	01/08/2009	Glucksman et al.
	53.	2009/0007796	A1	01/08/2009	Maddalena Ricotti
	54.	2009/0092711	A1	04/09/2009	Ninh et al.
	55.	2009/0126577	A1	05/21/2009	Ternite
	56.	2009/0126577	A1	05/21/2009	Ternite
	57.	2009/0136626	A1	05/28/2009	Mueller
	58.	2009/0211458	A1	08/27/2009	Denisart et al.
	59.	2009/0211458	A1	08/27/2009	Denisart et al.
	60.	2009/0211713	A1	08/27/2009	Binacchi
	61.	2009/0289121	A1	11/26/2009	Maeda et al.
	62.	2009/0291379	A1	11/26/2009	Masaya Oota, et al.
	63.	2009/0324788	A1	12/31/2009	Roy et al.
	64.	2009/0324791	A1	12/31/2009	Ohresser et al.
	65.	2010/0000667	A1	01/07/2010	Funnell
	66.	2010/0028495	A1	02/04/2010	Novak et al.
	67.	2010/0050880	A1	03/04/2010	Suter et al.
	68.	2010/0051532	A1	03/04/2010	Wawrla et al.
	69.	2010/0054532	A1	03/04/2010	Mitte et al.
	70.	2010/0072272	A1	03/25/2010	Angros
	71.	2010/0078480	A1	04/01/2010	Aker
	72.	2010/0108541	A1	05/06/2010	Roberto
	73.	2010/0132564	A1	06/03/2010	Ozanne et al.
	74.	2010/0147418	A1	06/17/2010	Piana
	75.	2010/0181378	A1	07/22/2010	Hayakawa et al.
	76.	2010/0196545	A1	08/05/2010	Buffet et al.
	77.	2010/0239717	A1	09/23/2010	Yoakim et al.
	78.	2010/0239733	A1	09/23/2010	Yoakim et al.

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	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	79.	2010/0239734	A1	09/23/2010	Yoakim,et al.
	80.	2010/0260915	A1	10/14/2010	Young
	81.	2010/0263329	A1	10/21/2010	Nash
	82.	2010/0288131	A1	11/18/2010	Kilber et al.
	83.	2010/0288133	A1	11/18/2010	Litzka et al.
	84.	2010/0303964	A1	12/02/2010	Beaulieu et al.
	85.	2010/0308061	A1	12/09/2010	Loulourgas
	86.	2011/0005399	A1	01/31/2011	Epars et al.
	87.	2011/0020500	A1	01/27/2011	Eichler et al.
	88.	2011/0033580	A1	02/10/2011	Biesheuvel et al.
	89.	2011/0041702	A1	02/24/2011	Yoakim
	90.	2011/0064852	A1	03/17/2011	Mann
	91.	2011/0064852	A1	03/17/2011	Mann
	92.	2011/0076361	A1	03/31/2011	Peterson et al.
	93.	2011/0089135	A1	04/21/2011	Simon et al.
	94.	2011/0097450	A1	04/28/2011	Krüger
	95.	2011/0142996	A1	06/16/2011	Krüger
	96.	2011/0189350	A1	08/04/2011	Van Belleghem et al.
	97.	2011/0212225	A1	09/01/2011	Mariller
	98.	2011/0250333	A1	10/13/2011	Ozanne
	99.	2011/0250812	A1	10/13/2011	Pourdeyhimmi et al.
	100.	2011/0303095	A1	12/15/2011	Fu et al.
	101.	2011/0308397	A1	12/22/2011	Sinot et al.
	102.	2012/0006685	A1	01/12/2012	Van Engelen
	103.	2012/0058226	A1	03/08/2012	Winkler et al.
	104.	2012/0060697	A1	03/15/2012	Ozanne
	105.	2012/0070542	A1	03/22/2012	Camera et al.
	106.	2012/0070543	A1	03/22/2012	Mahlich
	107.	2012/0070551	A1	03/22/2012	Mahlich
	108.	2012/0097041	A1	04/26/2012	Bucher et al.
	109.	2012/0097602	A1	04/26/2012	Tedford
	110.	2012/0100264	A1	04/26/2012	Bucher et al.
	111.	2012/0121765	A1	05/17/2012	Kamerbeek et al.
	112.	2012/0123106	A1	05/17/2012	Joos
	113.	2012/0126834	A1	05/24/2012	Kleinhans
	114.	2012/0183657	A1	07/19/2012	Marina et al.
	115.	2012/0195155	A1	08/02/2012	Gennai et al.
	116.	2012/0201933	A1	08/09/2012	Dran et al.
	117.	2012/0207893	A1	08/16/2012	Krüger
	118.	2012/0251668	A1	10/04/2012	Wong, et al.
	119.	2012/0251672	A1	10/04/2012	Kamerbeek, et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	TBA
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	120	2012/0258210	A1	10/11/2012	Wong et al.
	121	2012/0295234	A1	11/22/2012	Rognon et al.
	122	2012/0308688	A1	12/06/2012	Peterson et al.
	123	2013/0055903	A1	03/07/2013	Deuber
	124	2013/0059039	A1	03/07/2013	Trombetta et al.
	125	2013/0064929	A1	03/14/2013	Jarisch et al.
	126	2013/0064937	A1	03/14/2013	Jarisch et al.
	127	2013/0084363	A1	04/04/2013	Krueger et al.
	128	2013/0084376	A1	04/04/2013	Fischer et al.
	129	2013/0101716	A1	04/25/2013	Beaulieu et al.
	130	2013/0122153	A1	05/16/2013	Ferrier et al.
	131	2013/0125762	A1	05/23/2013	Dogan et al.
	132	2013/0129872	A1	05/23/2013	Krueger et al.
	133	2013/0136828	A1	05/30/2013	Anghileri
	134	2013/0149424	A1	06/13/2013	Fischer
	135	2013/0156897	A1	06/20/2013	Goldstein
	136	2013/0206011	A1	08/15/2013	Ozanne et al.
	137	2013/0209618	A1	08/15/2013	Trombetta et al.
	138	2013/0209619	A1	08/15/2013	Mahlich
	139	2013/0209620	A1	08/15/2013	Ozanne et al.
	140	2013/0209622	A1	08/15/2013	Fountain et al.
	141	2013/0216663	A1	08/22/2013	Dogan et al.
	142	2013/0230627	A1	09/05/2013	Hansen et al.
	143	2013/0243910	A1	09/19/2013	Krueger et al.
	144	2013/0312619	A1	11/28/2013	Spiegel et al.
	145	2013/0327223	A1	12/12/2013	Bartoli et al.
	146	2014/0001563	A1	01/03/2014	Krueger et al.
	147	2014/0004231	A1	01/02/2014	Norton et al.
	148	2014/0017359	A1	01/16/2014	Krueger et al.
	149	2014/0046126	A1	02/13/2014	Gilligan et al.
	150	2014/0127364	A1	05/08/2014	Fu et al.
	151	2014/0141128	A1	05/22/2014	Trombetta et al.
	152	2014/0141129	A1	05/22/2014	Greene
	153	2014/0161936	A1	06/12/2014	Trombetta et al.
	154	2014/0178538	A1	06/26/2014	Husband et al.
	155	2014/0196608	A1	07/17/2014	Amrein et al.
	156	2014/0220191	A1	08/07/2014	Kelly et al.
	157	2014/0224130	A1	08/14/2014	Castellani et al.
	158	2014/0230370	A1	08/21/2014	Bianchi
	159	2014/0263033	A1	09/18/2014	Fu et al.
	160	2014/0287104	A1	09/25/2014	Austin et al.

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	161	2014/0287105	A1	09/25/2014	Husband et al.
	162	2014/0346022	A1	11/27/2014	Keller et al.
	163	2014/0348984	A1	11/27/2014	Zeller et al.
	164	2014/0370181	A1	12/18/2014	Young et al.
	165	2015/0010680	A9	01/08/2015	Mahlich
	166	2015/0020481	A1	01/22/2015	Hodler
	167	2015/0029702	A1	01/29/2015	Foley
	168	2015/0056331	A1	02/26/2015	Rivera
	169	2015/0056340	A1	02/26/2015	Trombetta et al.
	170	2015/0056351	A1	02/26/2015	Deuber
	171	2015/0079241	A1	03/19/2015	Mahlich
	172	2015/0119220	A1	04/30/2015	Rea et al.
	173	2015/0128525	A1	05/14/2015	Bartoli et al.
	174	2015/0132441	A1	05/14/2015	Accursi
	175	2015/0157164	A1	06/11/2015	Digiuni
	176	2015/0158665	A1	06/11/2015	Krueger et al.
	177	2015/0158666	A1	06/11/2015	Krüger et al.
	178	2015/0166204	A1	06/18/2015	Rea et al.
	179	2015/0173558	A1	06/25/2015	Cross et al.
	180	2015/0175347	A1	06/25/2015	Empl
	181	2015/0201790	A1	07/23/2015	Smith et al.
	182	2015/0239652	A1	08/27/2015	Trombetta et al.
	183	2015/0246741	A1	09/03/2015	Hansen et al.
	184	2015/0274411	A1	10/01/2015	Krueger
	185	2015/0297021	A1	10/22/2015	Bugnano et al.
	186	2015/0297023	A1	10/22/2015	Hansen et al.
	187	2015/0314954	A1	11/05/2015	Empl
	188	2015/0329282	A1	11/19/2015	Bartoli et al.
	189	2015/0353275	A1	12/10/2015	Accursi
	190	2015/0375926	A1	12/31/2015	Fischer
	191	2016/0001968	A1	01/07/2016	Krüger et al.
	192	2016/0037961	A1	02/11/2016	Digiuni
	193	2016/0045060	A1	02/18/2016	Flick
	194	2016/0058234	A1	03/03/2016	Eppler et al.
	195	2016/0066591	A1	03/10/2016	Halliday et al.
	196	2016/0075506	A1	03/17/2016	Chapman et al.
	197	2016/0194146	A1	07/07/2016	Schelch et al.
	198	2016/0207696	A9	07/21/2016	Trombetta et al.
	199	2016/0242594	A1	08/25/2016	Empl et al.
	200	2016/0251150	A1	09/01/2016	Macchi et al.
	201	2016/0325921	A1	11/10/2016	Empl

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	202	2016/0332759	A1	11/17/2016	Trombetta et al.
	203	2016/0340110	A1	11/24/2016	Trombetta et al.
	204	2017/0020329	A1	01/26/2017	Douglas et al.
	205	2017/0027374	A1	02/02/2017	Smith et al.

FOREIGN PATENT DOCUMENTS							
Examiner Initial*	Cite No.	Foreign Document Number	Country Code	Kind Code	Publication Date	Name of Patentee or Applicant of cited Document	T ⁵
	1.	2327021 (also published as US6440256)	CA	C	01/04/2005	Helmbrecht et al.	
	2.	2399283 (also published as US6589577)	CA	C	05/01/2007	Lazaris et al.	
	3.	2399290 (also published as US6607762)	CA	C	01/10/2006	Lazaris et al.	
	4.	2400033 (also published as US6645537)	CA	C	02/08/2005	Beaulieu et al.	
	5.	2436389 (also published as US6861086)	CA	A1	08/22/2002	Buckingham et al.	
	6.	2531544 (also published as US7946217)	CA	C	05/01/2012	Favre et al.	
	7.	2538256 (also published as US2005/0051478)	CA	C	08/02/2011	Karanikos et al.	
	8.	2661921 (also published as US8512886)	CA	A1	03/06/2008	Ozanne	
	9.	2662069 (also published as US8039029)	CA	C	01/08/2013	Ozanne	
	10.	2662071	CA	C	07/05/2011	Ozanne et al.	

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		(also published as US8491948)					
	11.	2763746 (also published as US8114461)	CA	A1	03/11/2010	Perlman et al.	
	12.	2784752 (also published as US9204751)	CA	C	06/23/2011	Peterson	
	13.	2785843 (also published as US2013/0156897)	CA	A1	02/10/2013	Goldstein	
	14.	2788283 (also published as US9428328)	CA	A1	03/01/2013	Trombetta et al.	
	15.	2810236 (also published as US2013/0209618)	CA	C	07/09/2013	Trombetta et al.	
	16.	2810237 (also published as US8361527)	CA	A1	03/08/2012	Winkler et al.	
	17.	2832794 (also published as US2014/0127364)	CA	C	03/22/2016	Fu et al.	
	18.	2833096 (also published as US2014/0141128)	CA	C	05/31/2016	Fu et al.	
	19.	2839293 (also published as US2012/0308688)	CA	A1	12/20/2012	Peterson et al.	
	20.	2850010 (also published as US2014/0230370)	CA	A1	05/10/2013	Bianchi	
	21.	2866119 (also published as US2015/0020481)	CA	A1	09/19/2013	Hodler	
	22.	2872667 (also published as US2015/0157164)	CA	A1	11/21/2013	Digiuni et al.	
	23.	2874025 (also published as US2015/0119220)	CA	A1	12/27/2013	Rea et al.	

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	24.	2874070 (also published as US2015/0166204)	CA	A1	12/27/2013	Rea et al.	
	25.	2877027 (also published as US9394101)	CA	A1	12/27/2013	Empl	
	26.	2877090 (also published as US9409704)	CA	A1	01/09/2014	Digiuni et al.	
	27.	2886299	CA	A1	04/03/2014	Krüger	
	28.	2888129 (also published as US2015/0246741)	CA	A1	04/24/2014	Hansen et al.	
	29.	2888658 (also published as US2014/0161936)	CA	C	06/12/2014	FU et al.	
	30.	2898173 (also published as US2015/0353275)	CA	A1	08/07/2014	Accursi	
	31.	2901582 (also published as US2016/0075506)	CA	A1	11/20/2014	Chapman et al.	
	32.	2901664 (also published as US2016/0066591)	CA	A1	11/20/2014	Halliday et al.	
	33.	2902231	CA	A1	08/28/2014	Trombetta et al.	
	34.	2902412 (also published as US2016/0001968)	CA	A1	09/04/2014	Krüger et al.	
	35.	2905188 (also published as US2014/0263033)	CA	A1	09/18/2014	FU et al.	
	36.	2922822 (also published as US2015/0056340)	CA	A1	02/26/2015	Trombetta et al.	
	37.	2922824 (also published as US2015/0056340)	CA	A1	02/26/2015	Trombetta et al.	
	38.	101014513 (also published as US2009/0211458)	CN	A	08/08/2007	Denisart et al.	

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	39.	101090657 (also published as US2008/0187638)	CN	A	12/19/2007	Hansen	
	40.	101646613 (also published as US2001/0181005)	CN	A	02/10/2010	Kirschner et al.	
	41.	102741136 (also published as US2011/0064852)	CN	A	10/17/2012	Torsten	
	42.	102791595 (also published as US2015/0079241)	CN	A	11/21/2012	Mahlich	
	43.	102958816 (also published as US2013/0055903)	CN	A	03/06/2013	Deuber	
	44.	103501624 (also published as US2014/0017359)	CN	A	01/08/2014	Krueger et al.	
	45.	104334473 (also published as US2015/0132441)	CN	A	02/04/2015	Accursi	
	46.	102012109186 (also published as US2015/0274411)	DE	A1	03/27/2014	Krüger	
	47.	1207866	DE	B	12/23/1965	Bentz	X
	48.	1221960	DE	B	07/28/1966	Bentz & Sohn Melitta	X
	49.	69615001 (also published as US5948455)	DE	T2	03/21/2002	Yoakim et al.	
	50.	102004056224 (also published as US2009/0126577)	DE	A1	05/24/2006	TCHIBO GMBH	
	51.	102006004329	DE	A1	08/09/2007	Martinez et al.	
	52.	102010027485	DE	A1	01/19/2012	Krueger	X
	53.	102010034206	DE	A1	02/16/2012	Eppler	X
	54.	102011010534	DE	A1	08/09/2012	Krüger et al.	
	55.	102011012881 (also published as US9359128)	DE	A1	03/22/2012	Gotthard Mahlich	
	56.	102011115833	DE	A1	04/18/2013	Krüger et al.	

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		(also published as US9409703)					
	57.	102012105282 (also published as US9394101)	DE	A1	12/19/2013	Empl	
	58.	102012109186 (also published as US2015274411)	DE	A1	03/27/2014	Krüger	
	59.	102012110446	DE	A1	01/02/2014	Krüger et al.	X
	60.	102014018470	DE	A1	06/16/2016	Heimann et al.	X
	61.	202006003115	DE	U1	05/11/2006	Unknown	X
	62.	202009014945 (also published as US 9,072,402)	DE	U1	09/23/2010	Ryser	
	63.	202009014945 (also published as US 9,072,402)	DE	U1	09/23/2010	Ryser	
	64.	202010007919 (also published as US2013/0209619)	DE	U1	11/11/2010	Mahlich	
	65.	0224297 (also published as US4860645)	EP	A1	06/03/1987	Van Der Lijn	
	66.	0244339 (also published as US4676482)	EP	A1	11/04/1987	Reece et al.	
	67.	0468078 (also published as US 5,242,702)	EP	A1	01/29/1992	Fond	
	68.	0468079	EP	A1	01/29/1992	Fond	
	69.	0656224 (also published as US5601716)	EP	A1	06/07/1995	Heinrich et al.	
	70.	0859467 (also published as US5917165)	EP	A1	08/19/1998	Platt et al.	
	71.	0923865 (also published as US6451332)	EP	A2	06/23/1999	Tanaka et al.	
	72.	1129623	EP	A1	09/05/2001	Diaz	
	73.	1221418	EP	A1	07/10/2002	Perkovic et al	

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		(also published as US2002/0088807)					
	74.	1263661 (also published as US6645537)	EP	A1	12/11/2002	Sweeney et al.	
	75.	1344722 (also published as US7543527)	EP	A1	09/17/2003	Schifferle	
	76.	1344724	EP	A1	09/17/2003	Hale	
	77.	1363501 (also published as US2002/0110626)	EP	A2	11/26/2003	Buckingham	
	78.	1471012	EP	A2	10/27/2004	Tuens	
	79.	1500358 (also published as US7685930)	EP	A1	01/26/2005	Mandralis et al.	
	80.	1555219 (also published as US7552672)	EP	A1	07/20/2005	Schifferle	
	81.	1559351 (also published as US2005/0160919)	EP	A2	08/03/2005	Balkau	
	82.	1586534 (also published as US2008/0148948)	EP	A1	10/19/2005	Evers et al.	
	83.	1710173 (also published as US2006/0236871)	EP	A1	10/11/2006	Ternite et al.	
	84.	1774878 (also published as US8039034)	EP	A1	04/18/2007	Ozanne	
	85.	1792850 (also published as US2007/0148290)	EP	B1	06/06/2007	Ternite et al.	
	86.	1796516 (also published as US 8,109,200)	EP	A2	06/20/2007	Hansen	
	87.	1849718	EP	A1	10/31/2007	Rubino	
	88.	1882431 (also published as US8088423)	EP	B1	04/28/2010	Ohresser et al.	

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	89.	1882432 (also published as US2009/0324791)	EP	B1	01/30/2008	Ohresser et al	
	90.	1892199	EP	A1	02/27/2008	Ternite	X
	91.	1974638 (also published as US2008/0024536)	EP	A1	10/01/2008	Ternite et al.	
	92.	2158829 (also published as US2010/0050880)	EP	A1	03/03/2010	Suter et al.	
	93.	2218653	EP	A1	08/18/2010	Wons UWE	X
	94.	2230195 (also published as US8734881)	EP	A1	09/22/2010	Yoakim et al.	
	95.	2239211 (also published as US8257766)	EP	A1	10/13/2010	Yoakim et al.	
	96.	2284102	EP	A1	02/16/2011	Schulte et al.	
	97.	2287090 (also published as US2011/0041702)	EP	A1	02/23/2011	Yoakim	
	98.	2345352 (also published as US2012/0295234)	EP	A1	07/20/2011	Rognon et al.	
	99.	2364930 (also published as US8956672)	EP	A2	09/14/2011	Yoakim et al.	
	100	2384133 (also published as US2011/0250333)	EP	B1	11/09/2011	Ozanne	
	101	2384996 (also published as US 2013/0055903)	EP	A1	11/09/2011	Deuber	
	102	2412645	EP	A1	02/01/2012	Hiridjee	X
	103	2412646 (also published as US2013/0125762)	EP	A1	02/01/2012	Dogan et al.	
	104	2444339 (also published as US2013/0216663)	EP	A1	04/25/2012	Dogan, et al.	
	105	2476633	EP	A1	07/18/2012	Amrein et al.	

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		(also published as US2014/0196608)					
	106	2484505 (also published as US2012/0195155)	EP	A2	08/08/2012	Gennai et al.	
	107	2510805 (also published as US2011/0033580)	EP	A2	10/17/2012	Biesheuvel et al.	
	108	2537778	EP	A1	12/26/2012	Pineschi	
	109	2559636 (also published as US9434525)	EP	A1	02/20/2013	Fabozzi	
	110	2647317 (also published as US2015/0056351)	EP	A1	10/09/2013	Deuber	
	111	2720961 (also published as US2012/0308688)	EP	A1	04/23/2014	Peterson et al.	
	112	2750876 (also published as US2013/0209618)	EP	A1	07/09/2014	Trombetta et al.	
	113	2752372 (also published as US2005/0051478)	EP	A1	07/09/2014	Karanikos et al.	
	114	2809006 (also published as US2014/0346022)	EP	A1	12/03/2014	Keller et al.	
	115	2909088 (also published as US2015/0246741)	EP	A1	08/26/2015	Hansen et al.	
	116	2971319 (also published as US2014/0263033)	EP	A1	01/20/2016	Fu et al.	
	117	2996522 (also published as US2016/0066591)	EP	A1	03/23/2016	Halliday et al.	
	118	2963332 (also published as US2013/0122153)	FR	A1	02/03/2012	Ferrier et al.	
	119	2912124	FR	A1	08/08/2008	Blanc et al.	
	120	2556323	FR	A1	06/14/1985	Munier Rene	

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	121	1402799	GB	A	08/13/1975	Battelle Memorial Institute	
	122	2482032 (also published as US9357791)	GB	A	01/18/2012	Fountain et al.	
	123	2489409 (also published as US2014/0004231)	GB	A	10/03/2012	Norton et al.	
	124	H04176311	JP	A	06/24/1992	Moji et al.	X
	125	H06510682 (also published as US5,460,078)	JP	A	12/01/1994	Weller	
	126	H0394377	JP	A	04/19/1991	Toshiaki	
	127	2013-538609 (also published as US9,049,958)	JP	A	10/17/2013	Fischer	
	128	2004-533305 (also published as US2004/0115310)	JP	A	11/04/2004	Unknown	
	129	2011-530321 (also published as US2011/0033580)	JP	A	12/22/2011	Unknown	
	130	2014-529527 (also published as US2013/0209618)	JP	A	11/13/2014	Trombetta et al.	
	131	2010-528635 (also published as US9,277,837)	JP	A	08/26/2010	Yoakim et al.	
	132	2007-522856 (also published as US 7,673,558)	JP	A	08/16/2007	Panesar et al.	
	133	2003-522567 (also published as US2003/033938)	JP	A	07/29/2003	Halliday et al.	
	134	2010-516364 (also published as US2013/0206011)	JP	A	05/20/2010	Ozanne et al.	
	135	2009-511143 (also published as US8039034)	JP	A	03/09/2009	Ozanne	

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	136	2006-510682 (also published as US7,408,094)	JP	A	03/30/2006	Little et al.	
	137	2010-507418 (also published as US2010/0051532)	JP	A	03/11/2010	Wawrla et al.	
	138	2010-500199 (also published as US 2010/0000667)	JP	A	01/07/2010	Funnell	
	139	2010-500199 (also published as US 2010/0000667)	JP	A	01/07/2010	Funnell	
	140	2002-347852	JP	A	12/04/2002	SHOWA DENKO PLASTIC PROD CO	
	141	2002-274000	JP	A	09/25/2002	DAINIPPON PRINTING CO LTD	
	142	2003-265320 (also published as US2003/0172813)	JP	A	09/24/2003	Schifferle	
	143	2001-250161	JP				
	144	H01-233688	JP	A	09/19/1989	TOKYU CAR CORP	
	145	2005-199070 (also published as US2005/0150391)	JP	A	07/28/2005	Schifferle	
	146	S62-168512	JP	A	07/24/1987	Yoosuto et al.	
	147	S62-130649	JP	A	06/12/1987	Shiengu et al.	x
	148	2004-097015	JP	A	04/02/2004	Matsuura	x
	149	2004-097015	JP	A	04/02/2004	Matsuura	
	150	2001-082699	JP	A	03/30/2001	Suzuki et al	
	151	2002-018213 (also published as US6,440,256)	JP	A	01/22/2002	Gordon et al.	
	152	2001-017094	JP	A	01/23/2001	Toshiyuki et al.	x
	153	1233688	JP	A	09/19/1989	Yasuhiko	
	154	02289207	JP	A	11/29/1990	Ozasa et al.	abs.
	155	1020050107747	KR	A	11/15/2005	Halliday et al.	

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	Examiner Name	TBA
	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	156	596919 (also published as US2010/0303964)	NZ	A	11/29/2013	Beaulieu et al.	
	157	01/99047 (also published as US2003/121979)	WO		12/27/2001	Haens et al.	
	158	02/078498 (also published as US2004/0089158)	WO	A1	10/10/2002	Mahlich	
	159	2001/60712 (also published as US2002/0020659)	WO	A1	08/23/2001	Sweeney et al.	
	160	2004/082390 (also published as US2006/0228447)	WO	A1	09/30/2004	Ganesan et al.	
	161	2005/044067	WO	A1			
	162	2005/044067	WO	A1	05/19/2005	Ruchonnet	
	163	2005/079638 (also published as US2007/0157821)	WO	A1	09/01/2005	Panesar	
	164	2006/014936 (also published as US2008/0187638)	WO	A2	02/09/2006	Hansen	
	165	2006/021405 (also published as US2009/211458)	WO	A2	03/02/2006	Denisart et al.	
	166	2006/021405 (also published as US2009/211458)	WO	A2	03/02/2006	Denisart et al.	
	167	2006/053635 (also published as US2009/0126577)	WO	A1	05/26/2006	Ternite	
	168	2006/121520 (also published as US2005/0183581)	WO	A2	11/16/2006	Kirschner et al.	
	169	2007/042414 (also published as US7981451)	WO	A1	04/19/2007	Ozanne	
	170	2007/042486	WO	A2	04/19/2007	Van Belleghem	
	171	2008/011913 (also published as US2008/0026121)	WO	A1	01/31/2008	Mastropasqua et al.	

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	Attorney Docket Number	1859.029USC4 (KRÜ0022-WO-US-T4)

	172	2008/0132571	WO	A1	11/06/2008	Pineschi	
	173	2008/090122 (also published as US2013/0209620)	WO	A2	07/31/2008	Ozanne et al.	
	174	2008/107645 (also published as US2010/0196545)	WO	A2	09/12/2008	Buffet et al.	
	175	2008/107645 (also published as US2010/0196545)	WO	A2	09/12/2008	Buffet et al.	
	176	2008/121489 (also published as US8505440)	WO	A1	10/09/2008	Kirschner et al.	
	177	2008/126045 (also published as US2010/0108541)	WO	A1	10/23/2008	Degli	
	178	2009/084061	WO	A1	07/09/2009	Nani	
	179	2009/114119 (also published as US2010/0028495)	WO	A1	09/17/2009	Novak et al.	
	180	2009/115475 (also published as US2011/0005399)	WO	A1	09/24/2009	Epars et al.	
	181	2009/130311 (also published as US2011/0189350)	WO	A1	10/29/2009	Van Belleghem et al.	
	182	2009/153161	WO	A1	12/23/2009	Ofenhitzer et al.	X
	183	2010/007633	WO	A1	01/21/2010	Quadrelli	
	184	2010/013146	WO	A3	04/29/2010	Cometto	
	185	2010/041179 (also published as US2011/212225)	WO	A2	04/15/2010	Mariller	
	186	2010/041179 (also published as US2011/212225)	WO	A2	04/15/2010	Mariller	
	187	2010/085824	WO	A1	08/05/2010	Eder et al.	
	188	2010/118545	WO	A2	10/21/2010	Deuber	X
	189	2010/137952 (also published as US2012/0121765)	WO	A1	12/02/2010	Kamerbeek et al.	
	190	2010/137960	WO	A1	12/02/2010	Wong et al.	

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		(also published as US9359126)					
	191	2010/138563 (also published as US2013/0101716)	WO	A1	11/29/2010	Beaulieu et al.	
	192	2011/000723 (also published as US2012/0100264)	WO	A2	01/06/2011	Bucher et al.	
	193	2011/012501 (also published as US2012/0126834)	WO	A1	02/03/2011	Kleinhans	
	194	2011/089049 (also published as US2012/0295234)	WO	A1	07/28/2011	Rognon et al.	
	195	2011/137550 (also published as US2013/0055903)	WO	A1	11/10/2011	Deuber	
	196	2011/147491 (also published as US2013/0084376)	WO	A1	12/01/2011	Fischer et al.	
	197	2011/147553 (also published as US2013/0149424)	WO	A1	12/01/2011	Fischer	
	198	2011/147591 (also published as US2013/0084363)	WO	A1	12/01/2011	Krueger et al.	
	199	2012/000878 (also published as US9392902)	WO	A2	01/05/2015	Parentes et al.	
	200	2012/007257 (also published as US9,290,317)	WO	A1	01/19/2012	Quinn et al.	
	201	2012/009668 (also published as US2013/0209622)	WO	A1	01/19/2012	Fountain et al.	
	202	2012/010317 (also published as US2013/0129872)	WO	A1	01/26/2012	Krueger	
	203	2012/019902 (also published as US9808112)	WO	A1	02/16/2012	Favero et al.	
	204	2012/038063	WO	A1	03/29/2012	Mahlich	

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		(also published as US8916220)					
	205	2012/080501 (also published as US2014/0196608)	WO	A1	06/21/2012	Amrein et al.	
	206	2012/080928 (also published as US2013/0327223)	WO	A1	06/21/2012	Bartoli et al.	
	207	2012/100977 (also published as US9415931)	WO	A1	08/02/2012	Gerbaulet et al.	
	208	2012/104760	WO	A1	08/09/2012	Bartoli et al.	
	209	2012/123106 (also published as US2014/0017359)	WO	A1	09/20/2012	Marc Krueger et al.	
	210	2012/127233 (also published as 2014/0004231)	WO	A2	09/27/2012	Norton et al.	
	211	2012/135204 (also published as US2014/0348984)	WO	A1	10/04/2012	Zeller et al.	
	212	2012/174331 (also published as US2012/0308688)	WO	A1	12/20/2012	Peterson et al.	
	213	2012/175985 (also published as US2014/0287104)	WO	A1	12/27/2012	Peter et al.	
	214	2013/008012 (also published as US2014/0220191)	WO	A2	01/17/2013	Kelly et al.	
	215	2013/029184 (also published as US2013/0209618)	WO	A1	03/07/2013	Trombetta et al.	
	216	2013/032330 (also published as US2014/0178538)	WO	A1	03/07/2013	Husband et al.	
	217	2013/043048 (also published as US2014/0287105)	WO	A1	03/28/2013	Husband et al.	
	218	2013/053757	WO	A1	04/18/2013	Krueger et al.	

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		(also published as US2013/0243910)					
	219	2013/064988 (also published as US2014/0230370)	WO	A1	05/10/2013	Bianchi	
	220	2013/136209 (also published as US2016/0037961)	WO	A1	09/19/2013	Digiuni	
	221	2013/149354 (also published as US2015/0056351)	WO	A2	10/10/2013	Deuber	
	222	2013/171663 (also published as US2015/0128525)	WO	A1	11/21/2013	Bartoli et al.	
	223	2013/189555 (also published as 2015/0166204)	WO	A1	12/27/2013	Rea	
	224	2013/189923 (also published as US2015/0175347)	WO	A1	12/27/2013	Empl	
	225	2013/189923 (also published as US2015/0175347)	WO	A1	12/27/2013	Empl	
	226	2014/001563 (also published as US2015/0158666)	WO	A1	01/03/2014	Krueger et al.	
	227	2014/001564 (also published as US2015/0158665)	WO	A1	01/03/2014	Krueger et al.	
	228	2014/006048 (also published as US2015/0173558)	WO	A2	01/09/2014	Cross et al.	
	229	2014/049143 (also published as US2015/0274411)	WO	A2	04/03/2014	Krueger	
	230	2014/090567 (also published as US20150314954)	WO	A1	06/19/2014	Empl	
	231	2014/102702 (also published as US20150329282)	WO	A1	07/03/2014	Bartoli et al	
	232	2014/127863	WO	A1	08/28/2014	Fischer	

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		(also published as US2015/0375926)					
	233	2014/128205 (also published as US2016/0058234)	WO	A1	08/28/2014	Eppler et al.	
	234	2014/131779 (also published as US2016/0001968)	WO	A1	09/04/2014	Krüger et al.	
	235	2015/028425 (also published as US2016/0194146)	WO	A2	03/05/2015	Schelch et al.	
	236	2015/062703 (also published as US2016/0251150)	WO	A1	05/07/2015	Macchi et al.	
	237	2015/075584	WO	A1	05/28/2015	Accursi	
	238	2015/107484	WO	A1	07/23/2015	Rivola et al.	
	239	2016/077916	WO	A1	05/26/2016	Hanneson et al.	
	240	98/51396	WO	A1	11/19/1998	Timmermann et al.	X
	241	99/58035 (also published as US5,895,672)	WO	A1	11/18/1999	Cooper	

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initial*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1.	Rawle, Alan, "Particle Sizing – An Introduction" 2012; Silver Colloids, Edition or volume on Colloidal Silver	
	2.	Decision on Appeal before the Patent Trial and Appeal Board for Appeal No. 2017-007984 dated May 10, 2019.	
	3.	Notice of Opposition regarding EP3023362 filed July 30, 2018.	
	4.	Search Report for CN201180035944 mailed September 25, 2014.	
	5.	First Office Action for Application No. CN201180035944 mailed October 10, 2014.	
	6.	Second Office Action for Application No. CN201180035944 mailed April 21, 2015.	
	7.	Third Office Action for Application No. CN201180035944 mailed November 12, 2015.	

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	8.	Notification to Grant Patent for Application No. CN201180035944 mailed May 25, 2016.	
	9.	Search Report for CN201610644043 mailed May 11, 2018	
	10.	First Office Action for CN201610644043 mailed May 28, 2018	
	11.	Search Report and Written Opinion for PCT/EP2011/003677 mailed July 22, 2011.	
	12.	Search Report and Written Opinion for Application No. EP 15174333.3 dated November 3, 2015. (EP2952453)	
	13.	Office Action for Application No. EP 15174333.3 dated August 16, 2016. (EP2952453)	
	14.	Search Report and Written Opinion for Application No. EP 15173071.0 dated November 5, 2015. (EP2957525)	
	15.	Office Action for Application No. EP 15173071.0 dated November 5, 2015. (EP2957525)	
	16.	Third party observation for Application No. EP2957525 dated September 30, 2016.	
	17.	Search Report and Written Opinion for Application No. EP 15197332.8 dated April 12, 2016. (EP3023361)	
	18.	First Office Action for Application No. EP 15197332.8 dated January 19, 2017. (EP3023361)	
	19.	Second Office Action for Application No. EP 15197332.8 dated May 24, 2017. (EP3023361)	
	20.	Third Office Action for Application No. EP 15197332.8 dated November 2, 2017. (EP3023361)	
	21.	Search Report and Written Opinion for Application No. EP 15197336.9 dated April 4, 2016 (EP3023362)	
	22.	Search Report and Written Opinion for Application No. EP 15197338.5 dated April 7, 2016 (EP3023363)	
	23.	Search Report for Application No. JP 2013-520009 dated November 25, 2014. (JP5946828)	
	24.	First Office Action for Application No. JP 2013-520009 dated December 10, 2014. (JP5946828)	
	25.	Second Office Action for Application No. JP 2013-520009 dated August 19, 2015. (JP5946828)	
	26.	Decision to Grant for Application No. JP 2013-520009 dated April 28, 2016. (JP5946828)	
	27.	Search Report for Application No. JP 2016-032427 dated November 21, 2016. (JP2016163691)	
	28.	First Office Action for Application No. JP 2016-032427 dated November 28, 2016. (JP2016163691)	

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	29.	Second Office Action for Application No. JP 2016-032427 dated June 20, 2017. (JP2016163691)	
	30.	Search Report for Application No. JP 2017-034769 dated November 15, 2017. (JP2017148511)	
	31.	Office Action for Application No. JP 2017-034769 dated January 30, 2018. (JP2017148511)	
	32.	Office Action for Application No. KR 10-2013-7004356 dated April 5, 2018. (KR20137004356)	
	33.	Office Action for Application No. 10-2017-7019956 dated April 10, 2018. (KR20170087528)	

EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/438,818	06/12/2019	Marc Krüger	1859.029USC4	8813
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The Dobrusin Law Firm P.C.			SMITH, CHAIM A	
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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):

dobrusin_PAIR@firsttofile.com
patmail@patentco.com
rmasquelier@patentco.com

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

2. Claim 9 is noted to contain no method steps. At this time, restriction has not been required between the product claims 1 – 8 and the method claim 9 because the method claim does not recite any significant manipulative steps and is therefore considered as part of the product claims. Applicant is advised that if the method claim is amended to contain significant method steps, any such claims will be subject to restriction based on original presentation.

Information Disclosure Statement

3. The Examiner acknowledges receipt of the lengthy information disclosure statement filed 12 June 2019. There is no requirement that applicants explain the materiality of English language references, however the cloaking of a clearly relevant reference in a long list of references may not comply with applicants' duty to disclose, see Penn Yan Boats, Inc. v. Sea Lark Boats, Inc., 359 F. Supp. 948, aff'd 479 F. 2d. 1338. There is no duty for the Examiner to consider these references to a greater extent than those ordinarily looked at during a regular search by the Examiner. Accordingly, the Examiner has considered these references in the same manner as references encountered during a normal search of Office search files.

4. With regard to the numerous IDS submissions, applicants are invited to indicate the relevance of the submissions to the claims. Particularly with regard to the various examination and opposition reports which were submitted. Without claim listings the

examiner is unable to determine how the claims in the reports relate to the claims under examination.

Drawings

5. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the following features must be shown or the features canceled from the claims:

“the identifier is a barcode which is provided on that side of the peripheral region of the basic element which is directed away from the membrane” as recited in claim 1;

the capsule characterized in that “it has an insert element with an identifier” as recited in claim 3;

if the capsule is to have two different identifiers as claim 3 would appear to recite then both identifiers in the same capsule must be shown;

“the outer circumference of a flange has a plurality of channels” as recited in claim 4;

6. No new matter should be entered.

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include reference characters associated with the missing features of the drawings listed above. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be

labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action.

8. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

9. Color photographs, in this case grey scale, and color drawings are not accepted in utility applications unless a petition filed under 37 CFR 1.84(a)(2) is granted. Any

10. Applicant has provided figures 19 – 22 as what appear to be black and white photographs. Black and white photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the

only practicable medium for illustrating the claimed invention which is not the case in the present application therefore applicant is required to submit the figures as drawings.

Specification

11. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: there is no antecedent basis in the specification for “the identifier is a barcode which is provided on that side of the peripheral region of the basic element which is directed away from the membrane” as recited in claim 1, the capsule characterized in that “it has an insert element with an identifier” as recited in claim 3, “the outer circumference of a flange has a plurality of channels” as recited in claim 4.

12. The specification is objected to because it fails to include any reference characters associated with the missing features not found in the drawings, that is “the identifier is a barcode which is provided on that side of the peripheral region of the basic element which is directed away from the membrane” as recited in claim 1; the capsule characterized in that “it has an insert element with an identifier” as recited in claim 3; “the outer circumference of a flange has a plurality of channels” as recited in claim 4.

13. Appropriate correction is required.

14. The claims are objected to because the lines are crowded too closely together, making reading difficult. Substitute claims with lines double spaced on good quality paper are required. See 37 CFR 1.52(b).

Claim Rejections - 35 USC § 101

15. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 9 is rejected under 35 U.S.C. 101 because it is the improper definition of a process as there is no specific process steps in the claim.

Claim Rejections - 35 USC § 112

16. The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

17. Claims 3 and 9 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

18. Regarding claim 3 it is unclear how many identifiers are to be present. Claim 1 recites a single serve capsule to have an identifier which is a barcode provided on the side of the peripheral region of the basic element which is directed away from the membrane. Claim 3 further recites the capsule “has an insert element with an identifier”. It is unclear if this to be a completely separate identifier or somehow related to the identifier recited in claim 1. Further it is unknown what type of element or identifier associated therewith would be required to be present in the single serve

capsule. There is no disclosure in applicant's specification of said insert element with an identifier and therefore the ordinarily skilled artisan would not know what is required to practice the invention.

19. Regarding claim 9, claim 9 is indefinite because it merely recites a use without any active, positive steps delimiting how this use is actually practiced. *Ex parte Erlich*, 3 USPQ2d 1011 (Bd. Pat. App. & Inter. 1986).

Claim Rejections - 35 USC § 103

20. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

21. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

22. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

23. Claims 1 and 2 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Ruchonnet WO 2005/044067.

24. Regarding claims 1 and 2, Ruchonnet discloses a single serve capsule (receptacle 3) capable of making a beverage (coffee) (translation, page 3, paragraph 4), having a basic element with a cavity, in which a raw beverage material (coffee) (page 3, paragraph 4) is provided, the capsule has a peripheral region (cylindrical) which is provided on the basic element, and the cavity being closed by a membrane (upper perforable part), which is fastened on the peripheral region of the basic element, wherein the capsule has an identifier (information readable), which makes it possible to individualize the respective single-serve capsule (translation page 1, paragraph 11), characterized in that the identifier is a barcode which is provided on that side of the peripheral region of the basic element which is directed away from the membrane (translation page 2, paragraph 6). Further regarding claim 2, Ruchonnet discloses the sealing surface would be provided on the peripheral region which is the flange (translation page 3, paragraph 11, fig. 6 illustrates).

25. Claim 3 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Ruchonnet WO 2005/044067 in view of Bucher WO 2011/000723.

26. Claim 1 differs from Ruchonnet in the capsule having an insert element with an identifier.

27. Bucher discloses a single serve capsule capable of making a beverage having a basic element with a cavity, in which a raw beverage material (coffee) is provided. The capsule has a peripheral region which is provided on the basic element, and the cavity is closed by a membrane, which is fastened on the peripheral region of the basic

element, wherein the capsule has an identifier, which makes it possible to individualize the respective single-serve capsule. Buchner further discloses the capsule would have an insert with an identifier (element 8) positioned within the capsule (page 19, paragraph 1, fig. 9). Bucher is providing an insert with an identifier for the art recognized function of protecting the identifier from damage when being inserted into the machine which is believed to be applicant's reason for doing so as well. To therefore modify Ruchonnet and provide an insert with an identifier as taught by Buchner would have been obvious to the ordinarily skilled artisan.

28. Claim 9 is seen to be the obvious use of the single serve capsule to make a hot beverage since the capsule would obviously have to be placed into a machine with an identifier reader to read said identifier in order to further make a hot beverage.

29. Claims 4 – 8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Sweeney et al. US 2002/0020659.

30. Regarding claim 4, Sweeney discloses a single serve capsule capable of making a beverage (coffee) which has an essentially frustoconical or cylindrical basic element with a cavity for accommodating a raw beverage material (coffee). There is a membrane (piercable lid) which closes the cavity (paragraph [0004]), characterized in that the basic element has a wall region, wherein the basic element also has, on that side of the single-serve capsule which is directed away from the membrane, a base region, wherein the wall region, or the outer circumference of a flange has a plurality of channels (flutes) (paragraph [0011] and fig. 1 – 3).

31. Regarding claim 5 and recitations beginning “the channels realize an identifier, which makes it possible to individualize the single-serve capsule” these are seen to be recitations regarding the intended use of the channels.

32. In this regard applicant’s attention is invited to MPEP 2114 which states that “an apparatus must be distinguished from the prior art in terms of structure rather than function”. That is to say, apparatus claims cover what a device is, not what a device does. If the body of a claim fully and intrinsically sets forth all the limitations of the claimed invention, and then further limitations merely state, for example, the purpose or intended use of the invention, rather than any distinct structural definition of any of the claimed invention’s structural limitations, then any limitations regarding the intended use of the device are of no significance to claim construction. A claim containing a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus if the prior art apparatus teaches all the structural limitations of the claim which Sweeney obviously does. Further, if the prior art structure is capable of performing the intended use, then it meets the claim.

33. It is The Office’s position that the further limitations do not state any distinct definition of any of the claimed invention’s limitations and further that the purpose or intended use, i.e. “the channels realize an identifier, which makes it possible to individualize the single-serve capsule”, recited in the present claims does not result in a structural difference between the presently claimed invention and the prior art, that is Sweeney and further that the prior art structure, which is identical and/or obvious in view

of the prior art to that set forth in the present claims is capable of performing the recited purpose or intended use.

34. Regarding claim 6, Sweeney discloses that at least some of the channels, and at least in a sub-region in a plane parallel to the main plane along which the membrane extends, have a gear-wheel-like contour (fig. 1 – 3).

35. Regarding claim 7, Sweeney discloses the channels are designed such that the wall region is stiffened by means of the channels and the channels provide for turbulence of an extraction liquid flowing in the cavity (paragraph [0050] and [0051]).

36. Regarding claim 8, Sweeney discloses the cavity contains a filter element which subdivides the cavity into a first region for accommodating the raw beverage material and into a second region for accommodating a beverage extract (paragraph [0045] fig. 2 and 3).

Conclusion

37. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHAIM A SMITH whose telephone number is (571)270-7369. The examiner can normally be reached on Monday-Thursday 09:00-18:00.

38. Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to telephone the Examiner.

39. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Erik Kashnikow can be reached on (571) 270-3475. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

40. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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.

/C.S./
Chaim Smith
Examiner, Art Unit 1792
13 April 2020

/ERIK KASHNIKOW/
Supervisory Patent Examiner, Art Unit 1792