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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 74 09 17

Classification of the application (IPC):
B23K 26/00, ***B23K 26/18***, ***B65B 1/04***, ***B65B 23/06***, ***B65D 85/32***, ***A01K 43/10***, ***A23L 15/00***, ***A23P 20/25***, ***B23K 26/352***, ***B23K 103/00***, ***B41J 3/407***

Technical fields searched (IPC):
A01K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	WO 2014020600 A1 (HPT INTERNAT LLC [US]; SAR-EL ISRAEL [US]; KURMIS VIKTOR [DE]) 06 February 2014 (2014-02-06) * page 3, line 9 - line 25; claims 1-4; figures 1-6c * * page 8, line 6 - line 15 *	1-4, 8, 9 5-7, 10-14
X	WO 2013049612 A2 (MITCHELL ELIZABETH A [US]; YOUNGQUIST MICHELE [US] ET AL.) 04 April 2013 (2013-04-04) * page 3, line 11 - line 13; claim 1; figures 1-2 *	1, 2, 8, 9
X	WO 2014112874 A1 (MOBA GROUP BV [NL]) 24 July 2014 (2014-07-24) * page 9, line 9 - line 12; claims 1, 13; figures 1-6 *	1, 2, 8, 9
X	US 2014287108 A1 (CHAIT MITCHELL BARRY [US] ET AL) 25 September 2014 (2014-09-25) * § [0057, 0081, 0082, 0084-0086, 0075, 0110, 0108];claim 1; figures 1-3,5A, 7A, 7B *	1-4, 8, 9
Y	US 6531682 B1 (GUETTLER ERNST [AT]) 11 March 2003 (2003-03-11) * page 2, line 29 - line 40; claim 1; figures 1, 4-11 * * page 1, paragraph 1 - paragraph 2 *	5-7
Y	WO 2014041341 A1 (LINX PRINTING TECH [GB]) 20 March 2014 (2014-03-20) * page 22, line 32 - page 23, line 5; figures 4,5 *	10-14

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
The Hague	14 October 2019	Steinbock, Lorenz

CATEGORY OF CITED DOCUMENTS

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LACK OF UNITIY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14
Object printing system with a print head placed over a conveyor

2. claim: 15
Carton marking system with positioning means for optimal position of carton relative to marking system

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-14

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
The Hague	14 October 2019	Steinbock, Lorenz

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EP 16 74 09 17

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014020600 A1	06-02-2014	CN 104837750 A	12-08-2015
		IL 236971 A	31-12-2019
		US 2015202889 A1	23-07-2015
		WO 2014020600 A1	06-02-2014
WO 2013049612 A2	04-04-2013	CA 2849124 A1	04-04-2013
		CL 2014000782 A1	19-12-2014
		US 2014234500 A1	21-08-2014
		WO 2013049612 A2	04-04-2013
WO 2014112874 A1	24-07-2014	NL 2010837 C2	21-07-2014
		WO 2014112874 A1	24-07-2014
US 2014287108 A1	25-09-2014	AR 079940 A1	29-02-2012
		AU 2011207592 A1	16-08-2012
		AU 2014203357 A1	10-07-2014
		CA 2787736 A1	28-07-2011
		CN 102762385 A	31-10-2012
		DK 2525979 T3	30-11-2015
		EP 2525979 A1	28-11-2012
		EP 2998124 A2	23-03-2016
		ES 2554865 T3	23-12-2015
		GB 2489653 A	03-10-2012
		HK 1178491 A1	26-08-2016
		JP 5913134 B2	27-04-2016
		JP 2013517000 A	16-05-2013
		KR 20120123022 A	07-11-2012
		NZ 601476 A	25-07-2014
		PL 2525979 T3	30-06-2016
		RU 2012134897 A	27-02-2014
		SG 10201502199S A	28-05-2015
		TW 201143950 A	16-12-2011
		US 2012180436 A1	19-07-2012
		US 2013017296 A1	17-01-2013
		US 2014287108 A1	25-09-2014
		US 2015101288 A1	16-04-2015
		WO 2011091011 A1	28-07-2011
US 6531682 B1	11-03-2003	AT 224788 T	15-10-2002
		AT 408632 B	25-01-2002
		DE 29980010 U1	16-12-1999
		DE 59902817 D1	31-10-2002
		EP 0969947 A1	12-01-2000
		JP 2001518018 A	09-10-2001
		US 6531682 B1	11-03-2003
		WO 9938643 A1	05-08-1999

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For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014041341 A1	20-03-2014	BR 112015004590 A2	04-07-2017
		CN 104619502 A	13-05-2015
		CN 107097525 A	29-08-2017
		EP 2895330 A1	22-07-2015
		EP 3556563 A1	23-10-2019
		GB 2505883 A	19-03-2014
		GB 2507876 A	14-05-2014
		GB 2507877 A	14-05-2014
		US 2015239249 A1	27-08-2015
		US 2016236472 A1	18-08-2016
		WO 2014041341 A1	20-03-2014

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