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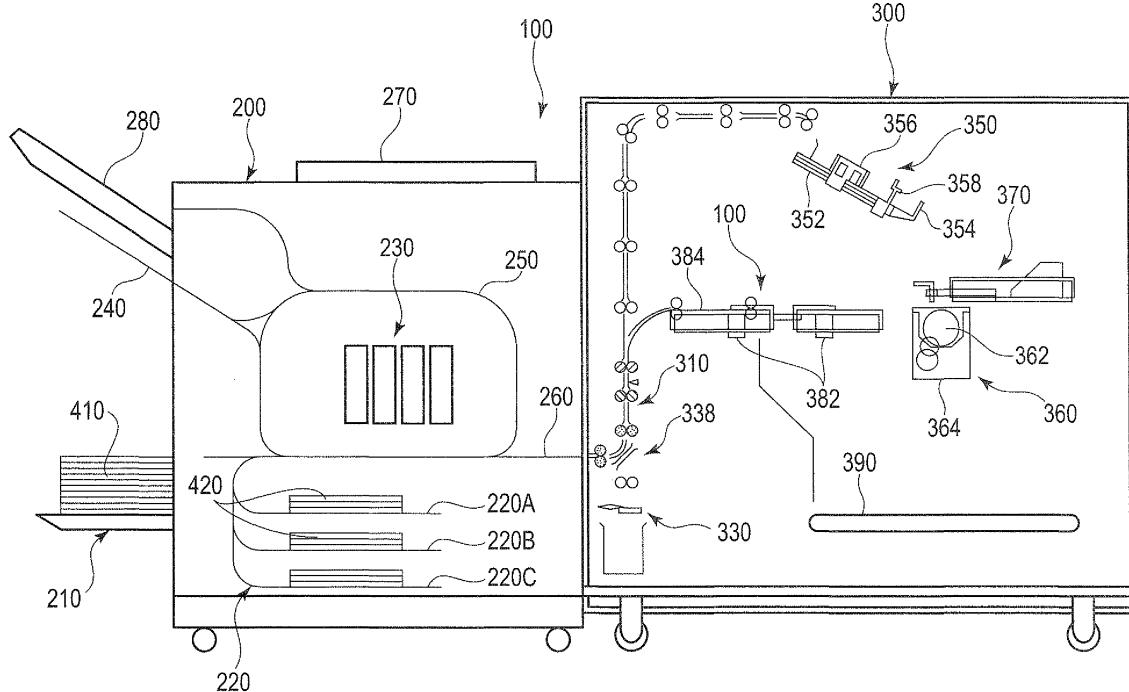
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(54) **Image-forming system**

(57) An image-forming system includes an image-forming unit for forming an image on a sheet, a sheet feeding unit including at least a pair of feed rollers for feeding the sheet on which the image has been formed, a cutting unit for cutting away a waste portion of the sheet, and a controller. The controller is operable to controlling the sheet feeding unit for a cleaning operation of the pair

of feed rollers, before the waste portion is cut away, so as to hold the sheet and drive the pair of feed rollers in contact with the waste portion of the sheet. According to the image-forming system, the pair of feed rollers can be easily cleaned up by effectively utilizing the waste portion.

FIG. 1





EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
10	Y EP 1 752 309 A2 (KONICA MINOLTA BUSINESS TECH [JP]) 14 February 2007 (2007-02-14) * paragraphs [0013], [0027] - [0034]; figures 1,3 *	1-4	INV. G03G15/00
15	Y JP H09 109509 A (OKI ELECTRIC IND CO LTD) 28 April 1997 (1997-04-28) * abstract *	1-4	
20	Y US 2009/016850 A1 (SORITA HIROYUKI [JP] ET AL) 15 January 2009 (2009-01-15) * figure 1 *	1-4	
25	Y US 2008/310935 A1 (HOMMOCHI HIROKI [JP] ET AL) 18 December 2008 (2008-12-18) * figure 2 *	1-4	
30	Y EP 1 977 906 A2 (CANON KK [JP]) 8 October 2008 (2008-10-08) * figure 3 *	1-4	
35			TECHNICAL FIELDS SEARCHED (IPC)
40			G03G
45			
50	1 The present search report has been drawn up for all claims		
55	Place of search Munich	Date of completion of the search 19 December 2016	Examiner Mandreoli, Lorenzo
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
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ON EUROPEAN PATENT APPLICATION NO.

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-12-2016

10	Patent document cited in search report	Publication date		Patent family member(s)	Publication date
15	EP 1752309 A2 14-02-2007	CN EP JP JP US	1911680 A 1752309 A2 4591273 B2 2007045039 A 2007036637 A1	14-02-2007 14-02-2007 01-12-2010 22-02-2007 15-02-2007	
20	JP H09109509 A 28-04-1997	JP JP	3728705 B2 H09109509 A	21-12-2005 28-04-1997	
25	US 2009016850 A1 15-01-2009	JP US US	2009018493 A 2009016850 A1 2009035016 A1	29-01-2009 15-01-2009 05-02-2009	
30	US 2008310935 A1 18-12-2008	JP US	2008307617 A 2008310935 A1	25-12-2008 18-12-2008	
35	EP 1977906 A2 08-10-2008	EP JP JP US US	1977906 A2 5464790 B2 2008238694 A 2008240888 A1 2012076617 A1	08-10-2008 09-04-2014 09-10-2008 02-10-2008 29-03-2012	
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55					

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