

EP 2 669 869 A3 (11)

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 08.01.2014 Bulletin 2014/02 (51) Int Cl.: G07D 11/00 (2006.01)

B65H 39/00 (2006.01)

(43) Date of publication A2: 04.12.2013 Bulletin 2013/49

(21) Application number: 13169597.5

(22) Date of filing: 29.05.2013

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR Designated Extension States:

BA ME

(30) Priority: 30.05.2012 JP 2012123600

(71) Applicant: Glory Ltd. Hyogo-Ken (JP)

(72) Inventors:

Numata, Toshio Hyogo-ken, (JP)

Miwa, Masakazu Hyogo-ken, (JP)

· Sugano, Tatsuya Hyogo-ken, (JP)

(74) Representative: Schwabe - Sandmair - Marx

Patentanwälte Stuntzstraße 16 81677 München (DE)

(54)Paper sheet processing apparatus

(57)A paper sheet processing apparatus comprises a taking-in unit 10 configured to take therein paper sheets one by one, a transport unit 70 configured to transport the paper sheets taken in by the taking-in unit and a storing unit 60a to 60d configured to store a plurality of paper sheets transported by the transport unit 70. The paper sheet processing apparatus further comprises a control unit 50 configured to control the transport unit 70 so as to transport into the storing unit 60a to 60d the paper sheets of a first category determined based on the face/ back or the orientation of each of the paper sheet, and to transport into the storing unit the paper sheets of a second category determined based on the face/back or the orientation of each of the paper sheets when the number of the paper sheet or sheets of the first category stored in the storing unit reaches a predetermined number.

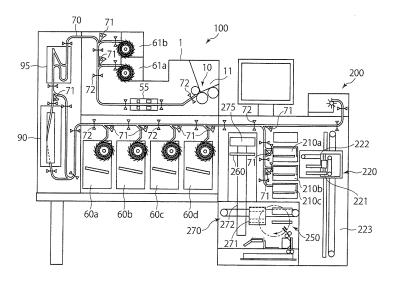


FIG. 2



EUROPEAN SEARCH REPORT

Application Number EP 13 16 9597

	DOCUMENTS CONSIDI	RED TO BE RELEVANT				
Category	Citation of document with in of relevant passa	ndication, where appropriate, ages		Relevant o claim	CLASSIFICATION OF THE APPLICATION (IPC)	
X Y A	US 6 460 705 B1 (HA 8 October 2002 (200 * abstract * * paragraph [0092] * claim 39 * * figures 1, 3A, 3B		3,9,10 INV. G07D11/00 B,11 B65H39/00			
X Y A		ract * ires 4, 6, 17 * 107 386 A1 (GLORY KOGYO KK [JP]) 10ary 2012 (2012-01-18) 10arct *		5,9,10 8		
X A	18			5,9-11 8		
Y A	AL) 1 March 2007 (2 * abstract *	 STENZEL JAMES G [US] E 907-03-01) - paragraph [0052] *		7 11	TECHNICAL FIELDS SEARCHED (IPC) G07D B65H	
Α	EP 2 224 374 A1 (BR 1 September 2010 (2 * abstract * * paragraph [0021] * figures 2, 4, 5 *	010-09-01)	1,	6,7,11		
Y,D A	JP 2008 123093 A (G 29 May 2008 (2008-0 * abstract *		8 1,11			
	The present search report has be place of search The Hague	een drawn up for all claims Date of completion of the search 26 November 201	3	Man	Examiner dato, Davide	
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another and the state of the same category innological background -written disclosure rmediate document	T : theory or princi E : earlier patent d after the filing d er D : document citec L : document cited	ole unde ocumer ate in the for othe	erlying the ir nt, but publis application er reasons	nvention shed on, or	

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 13 16 9597

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.

26-11-2013

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6460705	B1	08-10-2002	NONE			
WO 0152196	A1	19-07-2001	AU WO	2387001 0152196		24-07-200 19-07-200
EP 2407386	A1	18-01-2012	CN EP US WO	102348606 2407386 2011314773 2010103617	A1 A1	08-02-201 18-01-201 29-12-201 16-09-201
US 2007045940	A1	01-03-2007	GB US	2429703 2007045940		07-03-200 01-03-200
EP 2224374	A1	01-09-2010	CN EP JP JP US	101819644 2224374 4761172 2010194945 2010213662	A1 B2 A	01-09-203 01-09-203 31-08-203 09-09-203 26-08-203
JP 2008123093	Α	29-05-2008	JP JP	4954675 2008123093		20-06-201 29-05-200

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