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(54) Method of transporting sheets in a digital printing machine

(57) The invention relates to a method of transporting sheets in a digital printing machine.

The invention is **characterized in that** an individual sheet in a transport loop can essentially be negatively accelerated and essentially be positively accelerated.

Further, the invention relates to a device for transporting a sheet, in particular after a sheet has been picked off a stack and separated.

In accordance with the invention, this object is achieved in that the sheet is continuously accelerated from a stopped state to a transport speed.

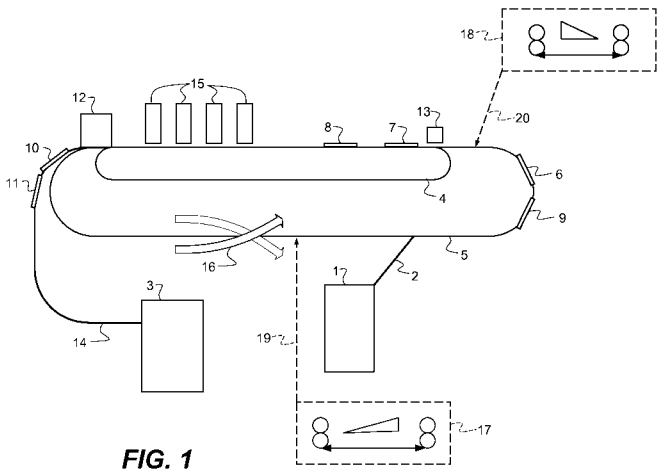

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 10 15 6370

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 470 925 A (OKI DATA CORPORATION) 27 October 2004 (2004-10-27) * claims 1,14,16; figure 1a *	1-3	INV. B41J3/60 B41J13/00 B41F13/02 B41F33/14 B65H7/00
A	EP 0 807 862 A (CANON KABUSHIKI KAISHA) 19 November 1997 (1997-11-19) * abstract * * column 2, lines 30-34 *	1-3	
A	DE 102 34 629 A1 (NEXPRESS SOLUTIONS LLC, ROCHESTER) 19 February 2004 (2004-02-19) * paragraphs [0011] - [0015], [0017] *	1-3	
A,D	US 6 533 264 B1 (TRANQUILLA MICHAEL N) 18 March 2003 (2003-03-18) * the whole document *	1,3	

TECHNICAL FIELDS SEARCHED (IPC)
B41J

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	6 March 2012	Duquénoy, Alain

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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.....
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06-03-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1470925 A	27-10-2004	DE 602004009852 T2	11-09-2008
		EP 1470925 A1	27-10-2004
		JP 4363887 B2	11-11-2009
		JP 2004325723 A	18-11-2004
		US 2004213610 A1	28-10-2004
EP 0807862 A	19-11-1997	DE 69723767 D1	04-09-2003
		DE 69723767 T2	03-06-2004
		EP 0807862 A2	19-11-1997
		JP 3268727 B2	25-03-2002
		JP 9301599 A	25-11-1997
		US 5905934 A	18-05-1999
DE 10234629 A1	19-02-2004	AT 397562 T	15-06-2008
		DE 10234629 A1	19-02-2004
		EP 1386865 A2	04-02-2004
		US 2004047661 A1	11-03-2004
US 6533264 B1	18-03-2003	NONE	

EPO FORM P0459

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