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(71) Applicant: Ricoh Company, Ltd.

Tokyo 143-8555 (JP)

(72) Inventor: Masanobu Yamagata c/o Ricoh Company, Ltd Tokyo 143-8555 (JP)

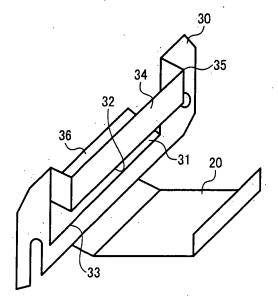
 (74) Representative: Leeming, John Gerard J.A. Kemp & Co.
 14 South Square Gray's Inn London WC1R 5JJ (GB)

(54) Sheet feeder and image forming apparatus

(57) A sheet feeder (2) including a first tray (10) arranged to be provided at a paper feeding mouth of the main body (1) of an image forming apparatus, a second tray (20) to support a rear portion of a long sheet (50), the second tray (20) adapted to be positioned above the

first tray (10), a guiding member (30) to guide the long sheet (50) at setting or sheet feeding, the guiding member (30) adapted to be positioned above the second tray (20) while facing an outside of the main body (1) of the image forming apparatus.





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EUROPEAN SEARCH REPORT

Application Number EP 08 25 2358

	DOCUMENTS CONSID	ERED TO BE RELEVA	ANT			
Category	Citation of document with in of relevant pass	ndication, where appropriate, ages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
Х	JP 2004 091211 A (0 25 March 2004 (2004			1-3	INV. B65H1/04	
A	* abstract; figures			4-12		
A	US 2006/232000 A1 (ET AL) 19 October 2 * the whole documer	2006 (2006-10-19)	[JP]	1-13		
A,P	JP 2007 302453 A (F 22 November 2007 (2 * abstract; figures	2007-11-22)		1,13		
					TECHNICAL FIELDS SEARCHED (IPC)	
					В65Н	
	The present search report has	•				
	Place of search	Date of completion of the	search		Examiner	
The Hague		13 August 2	13 August 2010 He		ningsen, Ole	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with anoth document of the same category A: technological background O: non-written disclosure		E : earlier after th her D : docum L : docume	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document oited for other reasons 8: member of the same patent family, corresponding			

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EP 08 25 2358

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.

13-08-2010

Patent cited in s	document earch report		Publication date		Patent family member(s)	Publication date
JP 200	4091211	Α	25-03-2004	NONE		
US 200	6232000	A1	19-10-2006	JP	2006298509 A	02-11-20
JP 200	7302453	Α	22-11-2007	NONE		
JP 200	7302453 	Α	22-11-2007 	NONE		
			cial Journal of the Euro			