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(54) High capacity sheet feeder having tiltable tray

(57) A tiltable tray (210) utilizing a multi-position stack height (contact) sensor (350) (can detect 2 or more specific stack heights) in conjunction with a second sensor (340) near stack lead edge which also senses distance to the top sheet (without sheet contact). The two sensors together enable the paper supply to position the stack (53) with respect to the acquisition surface both vertically and angularly in the process direction. This height and attitude control greatly improves the capability of the feeder (200) to cope with a wide range of paper basis weight, type, and curl.

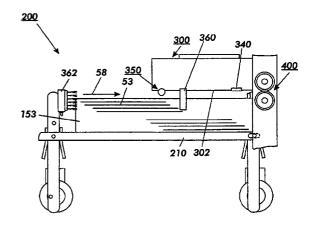


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number EP 99 12 5241

Category	Citation of document with indicatio of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	DE 11 46 507 B (MABEG MA 4 April 1963 (1963-04-04 * the whole document *		1-6	B65H7/02 B65H1/18
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Place of search BERLIN		Date of completion of the search 2 May 2000	Dav	id, P
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EP 99 12 5241

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Patent document clied in search report	Publication date	Patent family member(s)	Publication date
DE 1146507 B	<u></u>	NONE	·····
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