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(71) Applicant: **Neopost Technologies**
92220 Bagneux (FR)

(72) Inventor: **WILLIAMS, Christopher Hugh**
Woodford Green, Essex IG8 0BE (GB)

(74) Representative: **David, Alain et al**
Cabinet Beau de Loménie
158, rue de l'Université
75340 Paris Cedex 07 (FR)

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(54) **Vacuum Sheet Feeder**

(57) A vacuum feeding mechanism for a document handling apparatus, the feeding mechanism comprising: an adjustable pick (5) for separating a stack of documents (1) from a downstream transport system; a rotatable wheel (3) connected to a vacuum port and operable to pull a document (1) by suction from the top of the stack toward the wheel (3) and move the document over the

pick (5) to the downstream transport system; the wheel (3) and the pick (5) being separated by a clearance distance; means for determining adjustment coordinates in dependence upon characteristics of a document (1) in the stack; wherein the position of the pick (5) is automatically adjustable in two independent dimensions in dependence upon said adjustment coordinates.

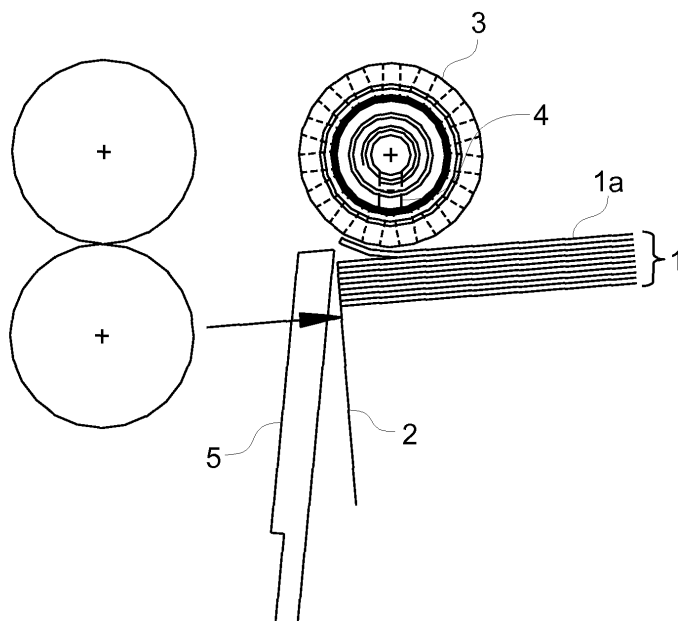


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 16 6050

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 June 2012	Examiner Henningsen, Olé
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 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 cited for other reasons & : member of the same patent family, corresponding document			

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

EP 09 16 6050

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
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25-06-2012

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