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(11) Veröffentlichungsnummer: **0 574 346 A3**

(12)

EUROPÄISCHE PATENTANMELDUNG

(21) Anmeldenummer: **93610027.0**

(51) Int. Cl.⁶: **B65H 3/08**

(22) Anmeldetag: **29.04.93**

(30) Priorität: **29.04.92 DK 556/92**

(43) Veröffentlichungstag der Anmeldung:
15.12.93 Patentblatt 93/50

(84) Benannte Vertragsstaaten:
DE ES FR GB IT NL SE

(88) Veröffentlichungstag des später veröffentlichten
Recherchenberichts: **31.05.95 Patentblatt 95/22**

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(54) **Vorrichtung zum Entstapeln für Bündel von gedruckten Papierblättern und ihre Anwendung.**

(57) The apparatus is based on the recognition that by a systematic data processing of returned newspapers, which carry a bar code identifying the daily edition number and/or the sales district, it will be possible to plan the production and the distribution for minimizing the returnings. However, in practice this will require the use of a destacker which can operate with a very high capacity and handle papers of widely different thicknesses. Previous destackers have had to be adjusted to a specific paper thick-

ness when a high operation speed is required, e.g. 3-6 copies per second. The disclosed destacker can operate at high speed with both thick and thin copies (22), based on the clamping parts (28,30) gripping the single copies (22) and drawing these out from the bundle with high speed are held together by the use of a suitably high spring force with a pronounced soft spring characteristic, preferably by the use of compressed air cylinders (52).

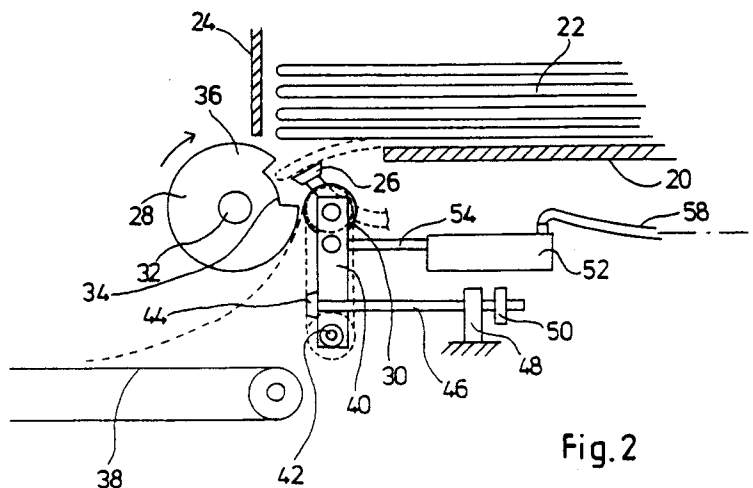


Fig. 2

EP 0 574 346 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 93 61 0027

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X Y	EP-A-0 263 568 (THORSTED MASKINER A/S) * column 2, line 48 - column 3, line 44; figures * ---	1,4 3	B65H3/08
X	US-A-4 002 332 (HOENIGMANN) * column 2, line 53 - line 62; figures 1-3,5 * ---	1,2	
X	DE-B-25 53 715 (B. RAIMANN) * column 5, line 13 - line 50; figure 1 * ---	1,2	
X	US-A-3 664 522 (GOTO) * column 1, line 42 - line 66 * * column 2, line 35 - line 60; figures 1-3 * ---	1,2	
Y A	US-A-4 478 402 (JAMES L. KANE) * column 2, line 24 - line 65; figures 1-3 * ---	3 1	
A	FR-A-2 593 157 (BENSON) * page 3, line 1 - page 4, line 32; figure 1 * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
A,D	US-A-4 042 113 (DUNCAN ET AL.) * claim 1; figures 1,2 * -----	1,4	B65H
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 10 March 1995	Examiner Fuchs, H
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			