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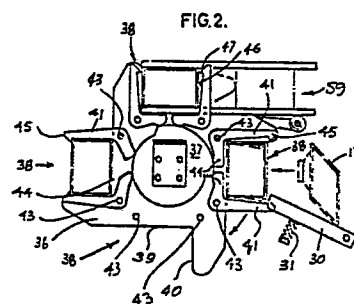
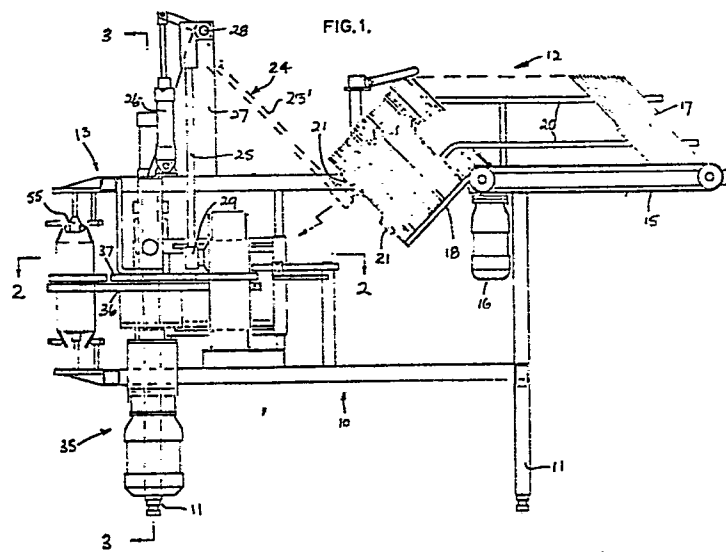
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(54) **Improvements relating to carton erecting apparatus.**

(57) A carton erecting apparatus comprising a carton feed magazine (12) having a horizontal driven conveyor (15) and a downwardly inclined ramp (18) extending therefrom, a transfer mechanism (24) arranged to move cartons (17) from the feed magazine (12) one at a time to a holding station (38) on a rotatable carriage (36), the cartons being partially erected while being moved to the holding station (38) by means of engagement with an inclined pressure member (30), the rotatable carriage having a plurality of spaced holding stations (38) with gripping means (41) associated with each said holding station, the gripping means (41) being operable in response to rotation of the carriage (36) to open to permit entry into or exit from the associated holding station (38) of a carton (17) and to close to retain a carton (17) in the holding station (38).





| DOCUMENTS CONSIDERED TO BE RELEVANT | | | EP 82305102.4 |
|--|---|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl. 3) |
| A | DE - A - 1 926 223 (C. QUADALTI) * Totality * | 1,7,9 | B 31 B 3/74 B 31 B 5/78 B 31 B 5/06 |
| A | US - A - 3 580 143 (D.MC INTYRE) * Column 2, lines 34-41 * | 10 | B 65 B 43/26 |
| A | US - A - 3 429 570 (J.W. SCULLY) * Column 3, lines 22-31 * | 10 | |
| A | GB - A - 998 610 (PROCTOR & GAMBLE COMP.) * Totality * | 1,3,5,7,8 | |
| A | GB - A - 1 196 363 (BIVANS CORP.) * Totality * | 1-9 | TECHNICAL FIELDS SEARCHED (Int. Cl. 3) |
| A | US - A - 4 213 285 (D.V. MANCINI) * Fig. 5-8 * | 8 | B 31 B B 65 B 1/00 B 65 B 5/00 B 65 B 43/00 |
| A | DE - A - 2 230 631 (SERVICE D'EXPLOITATION INDUSTRIELLE DES TABACS ET DES ALLUMETTES) * Totality * | | |
| The present search report has been drawn up for all claims | | | |
| Place of search VIENNA | | Date of completion of the search 13-05-1983 | Examiner HABART |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> | | | |