

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 715 950 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.10.1996 Bulletin 1996/44

(51) Int. Cl.⁶: **B31F 1/20**, B31D 3/04,
B31F 1/22

(43) Date of publication A2:
12.06.1996 Bulletin 1996/24

(21) Application number: 95119061.0

(22) Date of filing: 04.12.1995

(84) Designated Contracting States:
BE CH DE FR GB LI

(72) Inventor: **Tusberti, Silvano**
I - 41012 CARPI (Prov. of Modena) (IT)

(30) Priority: 07.12.1994 IT BO940544

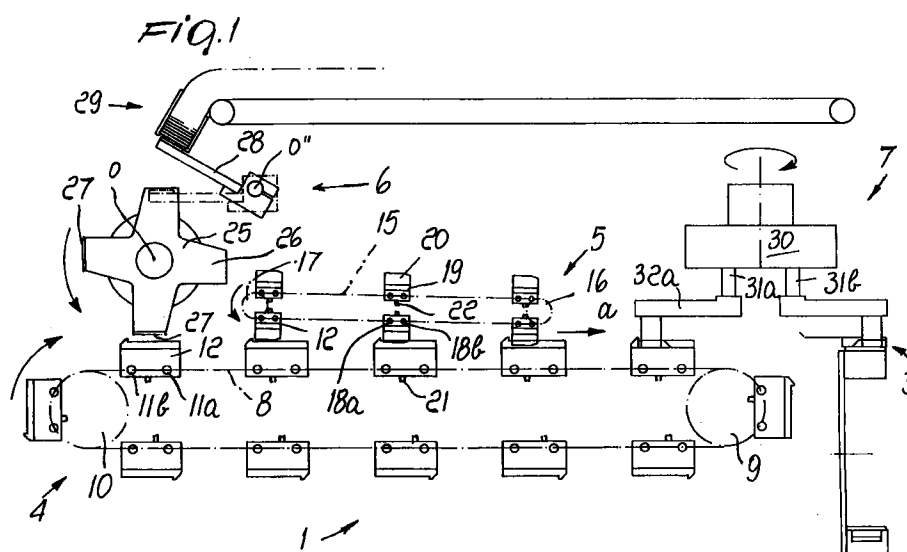
(74) Representative: **Modiano, Guido, Dr.-Ing. et al**
Modiano & Associati S.r.l.
Via Meravigli, 16
20123 Milano (IT)

(71) Applicant: **FARCON S.r.l.**
41012 Capri (Modena) (IT)

(54) Folding unit for a corrugated separator

(57) A quick folding unit for a fret-folded separator cutout for boxes for containing ampoules or the like, comprising: a line (4) for the stepwise advancement of the cutouts, which has a plurality of pairs (11a,11b) of cross-members along which a plurality of trucks (12) are mounted so that they are slideable transversely, plates being rigidly coupled to the trucks and being arranged longitudinally to the line so as to support and fold the upper crests of the spacers of the cutout, the plates being provided with a rear pusher tooth for the advancement of the cutout; a cutout folding line (5), which lies

above the advancement line (4) and has a plurality of cross-members (18a,18b) that advance stepwise and along which a plurality of trucks (19) are mounted so that they are slideable transversely, respective longitudinal seats (20) being rigidly coupled to the trucks, the plates (16) being insertable in the seats; fixed cam profiles for the translatory motion of the trucks along the cross-members; means (6) for depositing the cutouts at the inlet of the advancement line; and means (7) for removing the folded cutouts.



EP 0 715 950 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 11 9061

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.6)
X	GB-A-740 173 (FAY) * page 1, column 1, line 18 - line 41 * ---	1-5	B31F1/20 B31D3/04 B31F1/22
X	DE-A-19 04 006 (FLANDERS FILTERS INC.) 28 August 1969 * claims 1-3 * ---	1-5	
A	US-A-1 367 116 (BOLES) -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B31F B29C B29D B31B B21D B31D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		11 April 1996	ROBERTS, P
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			

EPO FORM 1503 03.82 (P04C01)



European Patent
Office

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

See sheet -B-

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,

namely claims: 1 - 5



European Patent
Office

EP 95 11 9061 -B-

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-5 : A folding unit.
2. Claim 6 : A depositing means for sheetlike materials.
3. Claim 7 : A removing means for folded materials.