

Title (en)

Station for determining a preset number of articles, partially inserted in one another, forming a group of these articles

Title (de)

Zählstation für eine voreingestellte Stückzahl von teilweise ineinandergestapelten Artikeln, um eine Gruppe solcher Artikel zu bilden

Title (fr)

Station de comptage d'un nombre donné d'articles partiellement insérés les uns dans les autres, de manière à grouper lesdits articles

Publication

EP 0911262 A1 19990428 (EN)

Application

EP 98119571 A 19981016

Priority

IT BO970629 A 19971021

Abstract (en)

A grouping station (100) receives rows (11) of plastic beakers (1) inserted one into another, coming from a rim making machine (2). The rows (11) of beakers (1) are subdivided into groups (10), that are moved to a packing station situated downstream thereof and including a main packing machine (30) and an additional packing machine (31). The grouping station (100) includes a rotary displacement device (5), that sends the rows (11) to a first counting-separating device (60) during regular operation. The first counting-separating device (60) is connected with the main packing machine (30). When a jam occurs, the rotary displacement device (5) sends the rows (11) to a second counting-separating device (80) that is connected with the additional packing machine (31). Each one of the counting-separating device (60,80) includes a disc (13) formed by adjacent sectors twisted along their radial axes like fan paddles. The disc separates from a row (11) a number of beakers necessary to form a predetermined group (10). <IMAGE>

IPC 1-7

B65B 57/20; **B65B 57/14**; **B65G 47/51**

IPC 8 full level

B65B 57/14 (2006.01); **B65B 57/20** (2006.01)

CPC (source: EP)

B65B 57/14 (2013.01); **B65B 57/20** (2013.01)

Citation (search report)

- [A] FR 88882 E 19670407 - PLIEUSES AUTOMATIQUES SA DES
- [A] EP 0654408 A1 19950524 - CASSOLI MACCHINE AUTOMATICA C [IT]
- [A] EP 0302837 A2 19890208 - STS SRL [IT]

Cited by

CN114590575A; WO2008009456A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE LI NL PT SE

DOCDB simple family (publication)

EP 0911262 A1 19990428; **EP 0911262 B1 20010725**; AT E203479 T1 20010815; DE 69801204 D1 20010830; DE 69801204 T2 20011108; ES 2162379 T3 20011216; IT 1295633 B1 19990524; IT BO970629 A0 19971021; IT BO970629 A1 19990421

DOCDB simple family (application)

EP 98119571 A 19981016; AT 98119571 T 19981016; DE 69801204 T 19981016; ES 98119571 T 19981016; IT BO970629 A 19971021