

Title (en)
PARTS SUPPLYING APPARATUS AND PARTS ARRAY

Title (de)
ZUFÜHRVORRICHTUNG FÜR KLEINTEILE, SOWIE EINE REIHE VON AUF EINEM TRÄGER ANGEORDNETEN KLEINTEILEN

Title (fr)
APPAREIL ASSURANT UNE ALIMENTATION AVEC EN ENSEMBLE DE PIECES ET L'ENSEMBLE DE PIECES EN QUESTION

Publication
EP 0885143 A4 20000119 (EN)

Application
EP 96926749 A 19960719

Priority
• JP 20781995 A 19950721
• US 9611997 W 19960719

Abstract (en)
[origin: WO9703884A1] A parts supplying apparatus for supplying an array of resin molded parts (10) includes an elongated guide member (80) having a longitudinally extending guide passage (81) through which the parts array is fed, and a rotatably driven winding device (43). The guide member has a guide surface (83) along which the parts array is guided and is also provided with at least one hole (85) through which the carrier (31, 33) is drawn to allow the carrier to be drawn away and separated from the molded parts. The carrier is adapted to be wound on the winding device for pulling the carrier and effecting movement of the parts array within the guide passage and for causing the carrier to be separated from the molded parts as the molded parts move past the hole in the guide member. A parts array utilized in conjunction with such an apparatus includes a plurality of molded parts and a carrier to which each of the molded parts are arranged in a row on the carrier. The molded parts are attached to the carrier in such a way that the molded parts are separable from the carrier when the carrier is pulled away from the molded parts. The carrier can be in the form of a pair of wires (31, 33) or a tape (131).

IPC 1-7
B65B 69/00

IPC 8 full level
B23P 19/00 (2006.01); **B65B 69/00** (2006.01); **B65D 5/02** (2006.01); **B65D 5/72** (2006.01); **B65D 5/74** (2006.01); **B65D 73/00** (2006.01); **B65D 73/02** (2006.01)

CPC (source: EP KR)
B65B 69/00 (2013.01 - EP KR); **B65D 5/029** (2013.01 - EP); **B65D 5/727** (2013.01 - EP); **B65D 5/748** (2013.01 - EP); **B65D 73/02** (2013.01 - EP)

Citation (search report)
• [A] US 3911646 A 19751014 - LARKIN JOSEPH F, et al
• [A] EP 0207610 A1 19870107 - GRACE W R & CO [US]
• [AX] DE 2848833 A1 19800522 - BOSCH GMBH ROBERT
• See references of WO 9703884A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9703884 A1 19970206; AU 6678596 A 19970218; AU 709787 B2 19990909; CA 2226764 A1 19970206; CN 1096389 C 20021218; CN 1135189 C 20040121; CN 1197434 A 19981028; CN 1343608 A 20020410; DE 69624145 D1 20021107; DE 69624145 T2 20030703; DE 69631915 D1 20040422; DE 69631915 T2 20050203; EP 0885143 A1 19981223; EP 0885143 A4 20000119; EP 0885143 B1 20021002; EP 1090844 A1 20010411; EP 1090844 B1 20040317; JP 3493564 B2 20040203; JP H0929555 A 19970204; KR 100425807 B1 20040630; KR 19990035806 A 19990525; TW 346439 B 19981201

DOCDB simple family (application)
US 9611997 W 19960719; AU 6678596 A 19960719; CA 2226764 A 19960719; CN 01125075 A 20010802; CN 96197151 A 19960719; DE 69624145 T 19960719; DE 69631915 T 19960719; EP 00125515 A 19960719; EP 96926749 A 19960719; JP 20781995 A 19950721; KR 19980700465 A 19980121; TW 85110533 A 19960829