

Title (en)
Blank feeder

Title (de)
Zufuhrvorrichtung von Zuschnitten

Title (fr)
Dispositif d'alimentation de flans

Publication
EP 0769365 A3 19980401 (EN)

Application
EP 96202864 A 19961015

Priority
JP 26980895 A 19951018

Abstract (en)
[origin: EP0769365A2] A blank feeder comprising a magazine (13) having an outlet (12) at a lower end thereof for accommodating a plurality of blanks (B) as arranged from the lower end to an upper end thereof in the form of a stack so that the blanks (B) are movable inside the magazine (13) toward the outlet (12) under gravity, a conveyor (14) providing a path of transport for supporting the lower ends of a plurality of blanks (B) as arranged closely face-to-face on the conveyor (14) from a terminal end of the path to a starting end thereof without allowing the blanks (B) on the conveyor (14) to move on the conveyor (14) under gravity, the blank (B) at the terminal end of the path being supported at its upper end by the uppermost blank (B) within the magazine (13), a sensor (41-43) for producing a non-detection signal when the quantity of blanks (B) remaining within the magazine (B) has decreased to not greater than a predetermined value and producing a detection signal upon the quantity of remaining blanks exceeding the predetermined value, and drive means for driving the conveyor (14) in response to the non-detection signal of the sensor (41-43) and discontinuing the operation of the conveyor (14) in response to the detection signal. <IMAGE>

IPC 1-7
B31B 1/06; **B31B 1/74**

IPC 8 full level
B31B 1/74 (2006.01); **B31B 50/06** (2017.01); **B31B 50/28** (2017.01); **B65G 43/00** (2006.01); **B65G 43/08** (2006.01); **B65H 1/24** (2006.01)

CPC (source: EP)
B65H 1/24 (2013.01); **B31B 50/006** (2017.07); **B31B 50/062** (2017.07); **B65H 2511/51** (2013.01); **B65H 2513/40** (2013.01)

Citation (search report)
• [X] US 4596545 A 19860624 - GREENWELL JOSEPH D [US]
• [A] EP 0574079 A1 19931215 - SHIKOKU KAKOKI CO LTD [JP]
• [A] EP 0034797 A2 19810902 - UNILEVER NV [NL], et al

Cited by
ES2334483A1; ITTO20090791A1

Designated contracting state (EPC)
CH DE DK FR GB LI NL SE

DOCDB simple family (publication)
EP 0769365 A2 19970423; **EP 0769365 A3 19980401**; **EP 0769365 B1 20020109**; DE 69618417 D1 20020214; DE 69618417 T2 20020704; DK 0769365 T3 20020211; JP 3538719 B2 20040614; JP H09110136 A 19970428

DOCDB simple family (application)
EP 96202864 A 19961015; DE 69618417 T 19961015; DK 96202864 T 19961015; JP 26980895 A 19951018