

Title (en)
Packaging device.

Title (de)
Verpackungsvorrichtung.

Title (fr)
Machine d'emballage.

Publication
EP 0519566 A1 19921223 (EN)

Application
EP 92201757 A 19920615

Priority
NL 9101043 A 19910617

Abstract (en)
The invention relates to a device for continuous metering and delivering into packaging units (10) of products ready for use, such as screws, nuts, bolts etc. The device comprises a stock container (V), a conveyor system comprising at least two trough conveyors (3, 4) provided with vibrating elements, means (M) for regulating the speed of conveyance of the products to be metered, and means (11, 12) for weighing and metering the products. Connected to at least one trough conveyor (3, 4), the device is provided with a buffer element which is preferably an endless belt (9). The buffer action of an endless belt (9) takes place through reversal of its direction of conveyance. The use of such a buffer element makes it possible to limit considerably the falling height of the products for metering, and thus to reduce the risk of damage, while the supply of products from the stock container (V) need not be interrupted at any stage at all. <IMAGE>

IPC 1-7
B65B 1/34; **B65B 19/34**

IPC 8 full level
B65B 1/34 (2006.01); **B65B 19/34** (2006.01)

CPC (source: EP)
B65B 1/34 (2013.01); **B65B 19/34** (2013.01)

Citation (search report)
• [X] DE 607458 C 19341228 - EDUARD QUESTER
• [X] US 3416619 A 19681217 - MCCLUSKY STANLEY A
• [X] GB 772677 A 19570417 - PACKAGE MACHINERY CO
• [Y] FR 2390334 A1 19781208 - GILLENKIRCH GERD [DE]
• [Y] FR 1512411 A 19680209 - CIE AUXILIAIRE D ENTPR S ELECT
• [A] DE 3708078 A1 19880922 - ROVEMA GMBH [DE]
• [A] US 2614786 A 19521021 - CARON JR LOUIS D, et al

Cited by
CN103935538A; CN105923412A; CN105564676A; CN100415609C; CN106115295A; ES2128917A1; CN109264096A; CN114933035A; CN115258214A; CN109941470A; CN111731527A; CN113562212A; US9856040B2; WO2015044796A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0519566 A1 19921223; **EP 0519566 B1 19960103**; DE 69207278 D1 19960215; NL 9101043 A 19930118

DOCDB simple family (application)
EP 92201757 A 19920615; DE 69207278 T 19920615; NL 9101043 A 19910617