

Title (en)
Device for separating flat piled articles

Title (de)
Vorrichtung zum Vereinzeln gestapelter flacher Werkstücke

Title (fr)
Dispositif pour séparer des produits plats empilés

Publication
EP 0790203 A3 19980107 (DE)

Application
EP 96120471 A 19961219

Priority
DE 19605461 A 19960214

Abstract (en)
[origin: EP0790203A2] The separating device consists of a carrier star (3) with drive. In which rolls (7) are set in a circle round the turning axis (2). Their drive gears (6) are driven from a central gear (5) via intermediate gears (4). The central gear rotates the opposite way to the carrier star. Each roll has a row of suckers (8), so that the rows form a shell cylinder, against which the stack cassette (10) is placed so that each row of each roll pulls out one workpiece to be taken onto a conveyor belt. The stack cassette locks the stack completely to prevent it vibrating.

IPC 1-7
B65H 3/42; **B65H 1/30**

IPC 8 full level
B65H 3/10 (2006.01); **B65H 1/30** (2006.01); **B65H 3/08** (2006.01); **B65H 3/42** (2006.01)

CPC (source: EP US)
B65H 1/30 (2013.01 - EP US); **B65H 3/42** (2013.01 - EP US); **B65H 2406/3312** (2013.01 - EP US)

Citation (search report)

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- [X] DE 9005225 U1 19900802
- [Y] FR 2356588 A1 19780127 - RECH TECH ET INDLES [FR]
- [A] EP 0265870 A1 19880504 - 4 P NICOLAUS KEMPTEN GMBH [DE], et al
- [A] EP 0467817 A1 19920122 - SERVICES AUTOMATISMES TECH ESA [FR]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 011, no. 272 (M - 622) 4 September 1987 (1987-09-04)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 161 (M - 151) 24 August 1982 (1982-08-24)

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Designated contracting state (EPC)
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EP 0790203 A2 19970820; **EP 0790203 A3 19980107**; **EP 0790203 B1 20000405**; AT E191424 T1 20000415; BR 9700951 A 19980901; CN 1079362 C 20020220; CN 1165107 A 19971119; CZ 5997 A3 19971217; DE 19605461 A1 19970821; DE 19605461 C2 19990602; DE 59604886 D1 20000511; ES 2144197 T3 20000601; JP H09226958 A 19970902; TW 330190 B 19980421; US 5857829 A 19990112

DOCDB simple family (application)
EP 96120471 A 19961219; AT 96120471 T 19961219; BR 9700951 A 19970213; CN 97101886 A 19970214; CZ 5997 A 19970108; DE 19605461 A 19960214; DE 59604886 T 19961219; ES 96120471 T 19961219; JP 2935197 A 19970213; TW 86101037 A 19970130; US 79795397 A 19970212