

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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- [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)
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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

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**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