

Title (en)
Device for turning a product stream

Title (de)
Vorrichtung zum Wenden eines Produktstroms

Title (fr)
Dispositif pour tourner un courant de produits

Publication
EP 0469636 B1 19961016 (DE)

Application
EP 91115879 A 19880229

Priority
• DE 3707540 A 19870309
• DE 3731151 A 19870916
• EP 88103005 A 19880229

Abstract (en)
[origin: EP0467417A2] In a deflection device for a paper product stream in overlapping formation, in which the inserted paper products are bent about an axis running transversely with respect to the product stream, there are provided on one side of a plate-shaped holder guide rollers or drums of a pair of conveyor bands, and also at least three deflection rollers or drums of a rider band. <IMAGE>

IPC 1-7
B65H 5/02; **B65H 5/24**; **B65H 15/00**; **B65H 29/66**

IPC 8 full level
B65H 5/02 (2006.01); **B65H 5/24** (2006.01); **B65H 5/34** (2006.01); **B65H 15/00** (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP US)
B65H 5/023 (2013.01 - EP US); **B65H 5/025** (2013.01 - EP US); **B65H 5/24** (2013.01 - EP US); **B65H 15/008** (2020.08 - EP US); **B65H 29/66** (2013.01 - EP US); **B65H 2404/261** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0281887 A2 19880914; **EP 0281887 A3 19900725**; **EP 0281887 B1 19940105**; AT E144230 T1 19961115; AT E145384 T1 19961215; AT E99637 T1 19940115; CA 1329165 C 19940503; DK 190988 A 19890317; DK 190988 D0 19880408; EP 0467417 A2 19920122; EP 0467417 A3 19920805; EP 0467417 B1 19961120; EP 0469636 A2 19920205; EP 0469636 A3 19920805; EP 0469636 B1 19961016; ES 2049732 T3 19940501; ES 2094779 T3 19970201; ES 2095893 T3 19970301; US 4889333 A 19891226

DOCDB simple family (application)
EP 88103005 A 19880229; AT 88103005 T 19880229; AT 91115870 T 19880229; AT 91115879 T 19880229; CA 560220 A 19880301; DK 190988 A 19880408; EP 91115870 A 19880229; EP 91115879 A 19880229; ES 88103005 T 19880229; ES 91115870 T 19880229; ES 91115879 T 19880229; US 16027588 A 19880225