

Title (en)
Three-way diverter

Title (de)
Drei-Wege-Weiche

Title (fr)
Aiguillage à trois voies

Publication
EP 1146001 A3 20020918 (DE)

Application
EP 01103500 A 20010215

Priority
DE 20006890 U 20000414

Abstract (en)
[origin: EP1146001A2] There are shoulders at the end of the entrance channel (13), defining recesses (11) which accommodate the upstream ends of the points blades (2,3). The hinge points (14) for the blades are just upstream of the fixed separation points (9,10) between the center and the side channels. When the paper goes into the center channel (7), the two points blades lie in the recesses on either side of the entrance channel. When the paper goes in the right-hand channel (6) the right-hand blade is swung over so that its tip is in contact with the left hand blade. To divert the paper into the left-hand channel (8), the left point blade is swung over to the right.

IPC 1-7
B65H 29/58

IPC 8 full level
B65H 29/60 (2006.01); **B65H 29/58** (2006.01)

CPC (source: EP)
B65H 29/58 (2013.01); **B65H 2301/44822** (2013.01); **B65H 2404/631** (2013.01)

Citation (search report)
• [XY] US 4570922 A 19860218 - AKERS ROY [US]
• [Y] WO 9817570 A1 19980430 - OCE PRINTING SYSTEMS GMBH [DE], et al
• [Y] EP 0341367 A2 19891115 - AMPER SA [ES]
• [DA] DE 1499553 A1 19700326 - NEDERLANDEN STAAT
• [A] US 4486015 A 19841204 - TAKAHASHI YUJI [JP]
• [A] US 4785942 A 19881122 - VAN LEIJENHORST HARRO M [NL], et al

Cited by
EP2842745A3; CN109461250A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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