

Title (en)
DEVICE FOR UNPILING A PALLET LOADED WITH A STACK OF PAPER SHEETS

Publication
EP 0353527 A3 19900905 (DE)

Application
EP 89113030 A 19890715

Priority
• CH 290588 A 19880801
• CH 460388 A 19881213

Abstract (en)
[origin: JPH0275540A] PURPOSE: To perform taking-out of sheets from a sheet stack on a pallet by a small effort by providing a flank and a projecting separating tongue, forming the lower limit of an ejector with the separating tongue, and setting thickness of a free end to be up to 0.8 mm. CONSTITUTION: A console (15, 16, 17) is moved toward a stack 6 for taking out the stack 6 part, and by it a separating tongue 16 is pressed into the stack 6. When the separating tongue 16 touches a sheet, the front end easily deflects by oscillating movement on the side and easily penetrates between two sheets, and possibility that the sheet touching the tip of the tongue is damaged is eliminated. The front part of this separating tongue 16 has wedge-like thin tips in the movement direction at one end and transversely to this direction at the other end. Whole surface of the separating tongue 16 is polished, the thickness of a flat part is 0.2 to 0.8 mm, and its edge is round.

IPC 1-7
B65H 3/32; **B65H 1/18**; **B65H 5/02**

IPC 8 full level
B65H 1/18 (2006.01); **B65H 3/24** (2006.01); **B65H 3/32** (2006.01); **B65H 3/48** (2006.01); **B65H 5/02** (2006.01)

CPC (source: EP US)
B65H 1/18 (2013.01 - EP US); **B65H 3/322** (2013.01 - EP US); **B65H 5/021** (2013.01 - EP US); **B65H 2301/422** (2013.01 - EP US); **Y10T 83/2048** (2015.04 - EP US); **Y10T 225/371** (2015.04 - EP US)

Citation (search report)
• [X] US 4620827 A 19861104 - SAMESHIMA TADANORI [JP], et al
• [X] DE 3641434 A1 19880609 - BIELOMATIK LEUZE & CO [DE]
• [X] GB 2092116 A 19820811 - BOBST SA
• [Y] US 3206042 A 19650914 - RONALD PETERSON ERIC
• [Y] DE 1804374 A1 19690904 - BUERO WALTER KUGLER ING
• [X] DE 3740355 A1 19880623 - WRAPMATIC SPA [IT]
• [Y] GB 165323 A 19210630 - DEXTER FOLDER CO
• [A] FR 973010 A 19510206 - BURN & CO LTD JAMES
• [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 265 (M-258)(1410) 25 Oktober 1983, & JP-A-58 144032 (SUMITOMO GOMU KOGYO K.K.) 27 August 1983,

Cited by
EP1593627A3; EP0529272A1; CN110049935A; WO2017207510A1

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

DOCDB simple family (publication)
EP 0353527 A2 19900207; **EP 0353527 A3 19900905**; JP H0275540 A 19900315; US 4955854 A 19900911

DOCDB simple family (application)
EP 89113030 A 19890715; JP 20013089 A 19890801; US 38716389 A 19890728