

Title (en)
Puncher

Title (de)
Locher

Title (fr)
Perforateur

Publication
EP 2143532 A3 20121114 (EN)

Application
EP 09164703 A 20090707

Priority
JP 2008177811 A 20080708

Abstract (en)
[origin: EP2143532A2] A puncher 10 includes a pair of side members 14, 15 disposed on a base 12 having a support surface 11 for sheets P, an operation lever 18 rotatable around a rotation shaft 16 provided between the side members 14, 15, punch blades 24 supported by a slide member 20 provided movable vertically between the side members, and link members 21 each connecting the operation lever 18 and slide member 20 relatively rotatably. Each of the link members 21 is provided in an arc piece shape being symmetrical with respect to a center thereof, and a connecting position A2 between the link member 21 and the slide member 20 is located substantially on the same axis line as that of the punch blades 24.

IPC 8 full level
B26D 5/10 (2006.01); **B26F 1/36** (2006.01); **B26D 7/00** (2006.01); **B26D 7/01** (2006.01)

CPC (source: EP)
B26D 5/10 (2013.01); **B26F 1/36** (2013.01); **B26D 7/015** (2013.01); **B26D 2007/0087** (2013.01)

Citation (search report)
• [XA] JP 2004009231 A 20040115 - KOKUYO KK
• [XA] US 5178049 A 19930112 - TSAI-HSIN HUANG [TW]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2143532 A2 20100113; **EP 2143532 A3 20121114**; **EP 2143532 B1 20131023**; CN 101664938 A 20100310; CN 101664938 B 20121205; JP 2010017773 A 20100128; JP 5223106 B2 20130626

DOCDB simple family (application)
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