

Title (en)

PUNCHING DEVICE, ESPECIALLY FOR ABRASIVE PAPER OR ABRASIVE CLOTH

Publication

**EP 0173042 B1 19880427 (DE)**

Application

**EP 85108701 A 19850712**

Priority

DE 3430991 A 19840823

Abstract (en)

[origin: EP0173042A1] 1. Punching device, particularly for stip or foil-type material, preferably for abrasive paper or grinding cloth, with a punch part (1) carrying at least two punches (2 to 8) and a foldable die part (9) connected to it and provided with a number of dies (10 à 16) corresponding to the number of punches, characterised in that when the device is folded together a punch (2 to 8) engages in each case with each die (10 to 16), whereby in the case of several punches at different distances from the folding axis at least the cutters (36) of the punches (3 to 8) which are located at a greater distance from the folding axis are inclined in such a way to the plane of a punch holding plate (30), that their cutter area (37) associated with the folding axis (17) is at a greater distance from the plane of the punch holding plate (30) than the cutter area (38) which is at a distance from the folding axis and in that the punches (2 to 8) outside of the cutter (36) are tapered towards the attachment end on the punch part (1).

IPC 1-7

**B26F 1/02**; **B26F 1/32**

IPC 8 full level

**B26F 1/02** (2006.01); **B26F 1/14** (2006.01); **B26F 1/32** (2006.01); **B26F 1/36** (2006.01)

CPC (source: EP)

**B26F 1/14** (2013.01); **B26F 1/36** (2013.01)

Cited by

GB2218026A

Designated contracting state (EPC)

AT CH FR IT LI NL

DOCDB simple family (publication)

**EP 0173042 A1 19860305**; **EP 0173042 B1 19880427**; AT E33783 T1 19880515; DE 3430991 A1 19860306; DE 3430991 C2 19950622

DOCDB simple family (application)

**EP 85108701 A 19850712**; AT 85108701 T 19850712; DE 3430991 A 19840823