

Title (en)

Apparatus for removing scrap pieces from sheet material or similar products

Title (de)

Vorrichtung zum Entfernen von Ausbrechteilen aus einem Werkstoffbogen od.dgl.

Title (fr)

Dispositif pour enlever des déchets d'un matériau en feuille ou d'un produit similaire

Publication

EP 1312449 B1 20060201 (DE)

Application

EP 03002304 A 19990401

Priority

- DE 19814736 A 19980402
- DE 19820557 A 19980508
- DE 19837316 A 19980818
- DE 29815042 U 19980821
- EP 99919179 A 19990401

Abstract (en)

[origin: DE19837316A1] The breaker tool is associated with a movable abutment device formed by an abutment tool (20) rigidly connected in keyed engagement to the matrix (14) around the edge of the aperture (16,18) and having a support or abutment surface (24, 25) which can be inclined to the connecting area. The connecting area can be formed by a rear cut socket groove in the matrix around the opening (16) and by a coupling rib engaging therein. The breaker tool can be a pressure pin or forked member with roughened surface produced mechanically, chemically or electrically.

IPC 8 full level

B26D 7/18 (2006.01)

CPC (source: EP)

B26D 7/1818 (2013.01); **B26D 2007/1872** (2013.01); **B26D 2007/1881** (2013.01)

Cited by

FR2910366A1; CN111168764A

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 19837316 A1 19991007; DE 59909751 D1 20040722; EP 1312449 A2 20030521; EP 1312449 A3 20030625; EP 1312449 B1 20060201

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