

Title (en)

DEVICE FOR REMOVING BREAK-OFF COMPONENTS FROM A SHEET OF MATERIAL OR EQUIVALENT

Title (de)

VORRICHTUNG ZUM ENTFERNEN VON AUSBRECHTEILEN AUS EINEM WERKSTOFFBOGEN ODER DERGLEICHEN

Title (fr)

DISPOSITIF PERMETTANT D'ENLEVER LES PARTIES A DECORTIQUER D'UNE FEUILLE DE MATERIAU OU EQUIVALENT

Publication

EP 1068053 A1 20010117 (DE)

Application

EP 99919179 A 19990401

Priority

- DE 19814736 A 19980402
- DE 19820557 A 19980508
- DE 19837316 A 19980818
- DE 29815042 U 19980821
- EP 9902266 W 19990401

Abstract (en)

[origin: DE29825182U1] 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 1-7

B26D 7/18

IPC 8 full level

B26D 7/18 (2006.01)

CPC (source: EP US)

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Cited by

DE202010006741U1; DE102016112035A1; DE102015110972A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9951405 A1 19991014; AT E269193 T1 20040715; AT E316849 T1 20060215; CA 2327083 A1 19991014; CN 1300246 A 20010620; DE 29825182 U1 20051222; DE 59913086 D1 20060413; EP 1068053 A1 20010117; EP 1068053 B1 20040616; JP 2002510561 A 20020409; US 6997363 B1 20060214

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