

Title (en)

Device for supporting, fixing and reinforcing a flat tool in a station for stripping waste material in a cutting press

Title (de)

Vorrichtung zum Stützen, Fixieren und Verstärken eines ebenen Werkzeuges in einer Station zum Auswerfen von Abfall aus einer Stanzpresse

Title (fr)

Organe de support, de fixation et de renforcement d'un outil plan utilisé dans une station d'éjection de déchets d'une presse à découper

Publication

**EP 1348524 A1 20031001 (FR)**

Application

**EP 03003945 A 20030222**

Priority

CH 5312002 A 20020328

Abstract (en)

The support bar (11) has fixing heads (14) projecting from its upper surface. Each head has a fish-hook type barb (17). These are introduced into holes (6) formed in the underside of the tool plate (10), and becomes embedded in the underside of the tool plate, thus retaining it in position. The support bar (11) has upper (19) and lower (20) surfaces, with a number of fixing heads (14) projecting from its upper surface. Each head includes a straight sided section (15) with a conical section (16) above. The conical section is narrower at the top and wider at the bottom, such that it is wider than the straight section, thus forming fish-hook type barbs (17). These are introduced into holes (6) formed in the underside of the tool plate (10), the holes having been formed by laser machining. The barbed support heads become embedded in the underside of the tool plate, thus retaining it in position. The tool plate may be made of wood, enabling rapid and accurate laser machining of the holes.

Abstract (fr)

Organe (11) de support, de fixation et de renforcement d'un outil plan (10) ajouré utilisé dans une station d'éjection de déchets d'une presse à découper. Cet organe possède des caractéristiques (14, 15, 16, 17) lui permettant d'être rigidement fixé de manière simple et définitive contre l'une des faces de l'outil plan (10) sans l'adjonction d'aucune pièce mécanique rapportée à ses côtés, sans l'adjonction de rivets ou de pièces de visserie et sans l'adjonction d'une substance ou d'un élément adhésif. <IMAGE>

IPC 1-7

**B26D 7/18**

IPC 8 full level

**B31B 1/00** (2006.01); **B26D 7/18** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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