

Title (en)
A protective tool for a bending tool

Title (de)
Schutzwerkzeug für ein Biegewerkzeug

Title (fr)
Outil de protection pour un outil de pliage

Publication
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Application
EP 08388019 A 20080602

Priority
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Abstract (en)
A protective tool (5) for the protection of a workpiece, which is to be bent in a bending tool (1), is formed by at least one profile having two faces (6, 7), where the one face (6) is provided with magnets (8) for securing the protective tool to a lateral face on the bending tool (1), while the other face (7), which is perpendicular to the one face, engages a surface (4) on the bending tool (1) and extends inwards over a groove (2) of the bending tool. When a workpiece is to be bent in the bending tool (1), the workpiece is positioned above two protective tools (5) which cover the groove (2) partly. When a pressing tool (9) is caused to apply a pressure to the workpiece, the protective tools are released from the lateral faces of the bending tool and slide together with the workpiece, which is supported by the protective tools, down into the groove (2). It is ensured in this manner that, during the bending process, the workpiece is not exposed to scratches and dents, which have to be removed subsequently by grinding and polishing. If the workpiece, which is to be bent, is not plane, it is advantageous to support the protective tool by a support rail (11).

IPC 8 full level
B21D 5/02 (2006.01)

CPC (source: EP US)
B21D 5/0209 (2013.01 - EP US)

Citation (applicant)
• JP 3094918 B2 20001003
• JP H10296336 A 19981110 - NICO TEC KK
• JP H105874 A 19980113 - AMADA METRECS CO

Citation (search report)
• [XA] JP H10296336 A 19981110 - NICO TEC KK
• [XA] JP H105874 A 19980113 - AMADA METRECS CO
• [A] JP 2006000899 A 20060105 - AMADA CO LTD
• [DA] JP H0394918 A 19910419 - AMADA METRECS CO
• [A] US 2002104363 A1 20020808 - MAIDA TAKA AKI [JP]

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