

Title (en)

Automatic loader of punch holder cartridges and corresponding dies and method for automatic loading of a punch holder cartridge and a corresponding die in respective housings present in a punch press

Title (de)

Automatischer Werkzeuglader für Stanzwerkzeughalter und dazugehörige Matrizen sowie Verfahren zum automatischen Laden eines Stanzwerkzeughalters mit der dazugehörigen Matrize in die entsprechenden Aufnahmen einer Stanzpresse

Title (fr)

Chargeur automatique pour porte-outils pour poinçon et matrice et procédé de chargement automatique d'un porte-outils pour poinçon et de la matrice correspondente dans leurs logements d'une presse à poinçonner

Publication

EP 1797975 A1 20070620 (EN)

Application

EP 06126334 A 20061218

Priority

IT VI20050336 A 20051219

Abstract (en)

Automatic loader (1; 100; 200) of punch holder cartridges (2) and corresponding dies (3) for a punch press (P) of the type comprising a framework (I) provided with a housing (A1) for the punch holder cartridge (2); a base (B) provided with a housing (A2) for the die (3). The automatic loader (1; 100; 200) comprises: a first supporting structure (5; 105); a die holder unit (5a; 105a) combined with the first supporting structure (5; 105); handling means (7; 107) of the die holder unit (5a; 105a) with respect to the first supporting structure (5; 105); a second supporting structure (9; 109); a punch holder unit (9a; 109a) combined with the second supporting structure (9; 109); handling means (11) of the punch holder unit (9a; 109a); displacement means (6, 10; 106) of the first (5; 105) and second supporting structure (9; 109) according to a substantially horizontal direction; supporting means (4; 8; 104) of the first (5; 105) and second supporting structure (9; 109).

IPC 8 full level

B21D 37/14 (2006.01); **B21D 37/04** (2006.01); **B23Q 3/155** (2006.01)

CPC (source: EP)

B21D 37/04 (2013.01); **B21D 37/145** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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