

Title (en)

A process for producing a metal base plate having a projected portion formed with a slit, a die and a mold structure used in the same

Title (de)

Verfahren zur Herstellung einer Metallplatte mit erhabenem und Schlitz versehenem Teil, Matrize und Formstruktur

Title (fr)

Méthode de production d'une tôle avec projection formée avec une fente, matrice et structure de moule

Publication

EP 1710027 A3 20080507 (EN)

Application

EP 06251920 A 20060405

Priority

JP 2005111094 A 20050407

Abstract (en)

[origin: EP1710027A2] The invention provides a process, a die (1) and a mold structure for producing a metal base plate (5) having a cylindrical projected portion (11) formed with at least one slit (10) which extends from a leading end toward a base end of the cylindrical projected portion (11) by inserting a punch (3) into a die (1) through a metal base plate (5). In the producing process, the metal base plate (5) is interposed between the punch (3) and the die (1), while a hole of the die (1) having at least one projected portion (2) and the punch are aligned with a location of the cylindrical projected portion (11) to be formed and at least one ridge line (4) of a leading end portion of the punch (3) and an apex portion of the corresponding at least one projected portion (2) of the die are aligned with each other, and the punch (3) is inserted into the hole of the die through the metal base plate (5) in such a manner that the at least one slit (10) of the cylindrical projected portion (10) is formed by an edge portion of a peripheral surface of the punch (3) and the corresponding at least one projected portion (2) of the die (1) by the insertion of the punch (3) into the hole of the die (1)

IPC 8 full level

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Citation (search report)

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