

Title (en)

Method and apparatus for punching aluminium sheet metal parts

Title (de)

Verfahren und Vorrichtung zum Lochen von Blechformteilen aus einem Aluminiumwerkstoff

Title (fr)

Procédé et dispositif de poinçonnage des pièces en tôle d' aluminium

Publication

EP 1103317 B1 20060118 (DE)

Application

EP 00125744 A 20001124

Priority

DE 19957076 A 19991126

Abstract (en)

[origin: EP1103317A2] The hole forming process involves producing a thickening (7) along the hole circumference by a preliminary deformation. The aluminum sheet component (3) is deformed between a holding-down device (1) and a die (2) When the component is deformed by a punch (5), material is forced out of the hole region into the die.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN109500219A; CN109940086A; US7308814B2

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EP 1103317 A2 20010530; EP 1103317 A3 20020206; EP 1103317 B1 20060118; DE 19957076 A1 20010607; DE 19957076 B4 20061019; DE 50012075 D1 20060406; ES 2257256 T3 20060801; PT 1103317 E 20060531

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