

Title (en)

Method and apparatus for making an embossed part in a sheet metal plate and product obtained by this method.

Title (de)

Verfahren und Vorrichtung zum Herstellen eines gewölbten Teils in einem Blechgegenstand und nach diesem Verfahren hergestellter Gegenstand.

Title (fr)

Procédé et dispositif de formage d'une partie en relief sur un flanc de tôle et produit obtenu selon ce procédé.

Publication

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Application

**EP 91400795 A 19910325**

Priority

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Abstract (en)

[origin: EP0451013A1] The subject of the invention is a method for forming an embossed part on a metal sheet blank (10) with the aid of a die and a punch. A preforming operation and a shaping operation are carried out on at least one localised zone of the metal sheet blank (10), of greater dimensions than those of the said embossed part, thereby forming the said embossed part. During the preforming operation, a succession of tiered undulations are progressively produced on an intermediate zone of the said localised zone, located between the eventual high part of the said embossed part at the periphery of the said localised zone and, during the shaping operation, the tiered undulations of the said intermediate zone are progressively opened out and, simultaneously, the said embossed part is formed. <??>The subject of the invention is also an apparatus for implementing the method. <IMAGE>

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