

Title (en)

Method of the fluidised bed type for the shaping of sheet metal.

Title (de)

Verfahren zum Formen von Blech unter hydraulischem Druck.

Title (fr)

Procédé du type à lit fluidisé pour former de la tôle.

Publication

EP 0549955 B1 19951108 (EN)

Application

EP 92121405 A 19921216

Priority

IT TO911012 A 19911220

Abstract (en)

[origin: EP0549955A1] The method comprises a first stage during which a blank holder (1) is brought into contact with the sheet (2), a second stage in which a pressurised fluid is fed by means of a first hydraulic circuit to the cavity (4) in a die (3) below the sheet and a third stage in which a punch (7) is displaced towards the sheet to deform it plastically through the combined action of the pressures generated by the punch and the fluid. In accordance with the invention the second pressurised fluid delivered from a second hydraulic circuit is caused to act on the upper surface (9) of at least a portion (10) of the sheet so as to balance out the pressures acting on the undersurface (11) of the said portion while the former is displaced towards the sheet. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

ES2103656A1; KR20020076943A; DE19827614B4; CN112893595A; US2011088442A1; CN102039342A; US8534106B2; US9375775B2

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