

Title (en)

PRESSURE DISTRIBUTOR FOR PRESSING METALS AND DIE USING SAID PRESSURE DISTRIBUTOR

Title (de)

DRUCKVERTEILER ZUM PRESSEN VON METALLEN UND MATRIZE MIT DIESEM DRUCKVERTEILER

Title (fr)

RÉPARTITEUR DE PRESSION POUR LE PRESSAGE DE MÉTAUX ET MATRICE UTILISANT LEDIT RÉPARTITEUR DE PRESSION

Publication

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Application

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Abstract (en)

[origin: WO2016166701A1] The invention is a pressure distributor (1; 1 a; 1b; 1c; 1d) configured in such a way that it can be arranged between the matrix (11) and the base (12) of a die (10) during the forming of a metal sheet (A) interposed between the matrix (11) and the pressure distributor (1). The pressure distributor (1; 1a; 1b; 1c; 1d) comprises a composite laminar structure (2; 2a; 2b; 2c; 2d) provided with a shaped opening (3) for the passage of the punch (13) of the die (10), wherein the composite laminar structure (2; 2a; 2b; 2c; 2d) comprises a sheet pressing plate (21) configured in such a way that it can be placed in contact with the metal sheet (A) and an elastically deformable plate (22, 23) included between the sheet pressing plate (21) and the base (12) of the die (10). One or more intermediate plates (24, 25) may be arranged between the sheet pressing plate (21) and the elastically deformable plate (22, 23) and/or between the elastically deformable plate (22, 23) and the base (12) of the mould (10).

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