

Title (en)

METHOD FOR PRODUCING A SHEET METAL PRODUCT AND SHEET METAL PRODUCT

Title (de)

VERFAHREN ZUM HERSTELLEN EINES BLECHPRODUKTES UND BLECHPRODUKT

Title (fr)

PROCÉDÉ POUR FABRIQUER UN PRODUIT À BASE DE FEUILLE MÉTALLIQUE ET PRODUIT À BASE DE FEUILLE MÉTALLIQUE

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Application

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Abstract (en)

[origin: WO2021004872A1] The invention relates to a method for producing a sheet metal product (1) from a sheet metal blank (2), wherein: at least one surface (7) of the sheet metal blank (2) is coated with a coating; the sheet metal blank (2) is rolled; during rolling, depressions (6) are rolled into the surface (7); after coating and rolling, lubricant (8.1) is introduced into the depressions (6); after the lubricant (8.1) has been introduced, the sheet metal blank (2) is mechanically shaped with a shaping die (5), characterized in that the surface (7) is coated in such a manner that the coating is elastically deformable under loads of 0.5 MPa to 20 MPa and is plastically deformable under loads above 20 MPa in the shaping die (5) during the shaping process, particularly under relative movement between sheet and tool surfaces.

IPC 8 full level

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