

Title (en)

METHOD FOR SHAPING A METAL SHEET, PRODUCTION SYSTEM, AND CONDUCTIVE HEATING DEVICE

Title (de)

VERFAHREN ZUR UMFORMUNG EINES BLECHS, FERTIGUNGSANLAGE SOWIE KONDUKTIVE ERWÄRMUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ DE FAÇONNAGE D'UNE TÔLE, INSTALLATION DE FINITION ET DISPOSITIF DE CHAUFFAGE PAR CONDUCTION

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Abstract (en)

[origin: WO2018158374A1] The invention relates to a method for shaping a metal sheet into a three-dimensional component by metal-sheet shaping, the metal sheet being conductively heated to a temperature necessary for the metal-sheet shaping by means of a conductive heating device, characterized in that the conductive heating device has at least two rotatably mounted, roller-shaped electrodes for conductively applying current to the metal sheet, the metal sheet being fed between at least two roller-shaped electrodes set into rotation and being conductively heated by means of said electrodes, and the metal sheet being fed from the conductive heating device to a pressing device, while the metal sheet is still in the heated state from the conductive heating by means of the at least two roller-shaped electrodes set into rotation, and being shaped into the three-dimensional component there by pressing, while the metal sheet is still in the heated state from the conductive heating. The invention further relates to a production system for producing three-dimensional components from metal sheet and to a conductive heating device for conductively heating a metal sheet.

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