

Title (en)

METHOD FOR FORMING A SHEET METAL AND MANUFACTURING SYSTEM WITH CONDUCTIVE HEATING DEVICE

Title (de)

VERFAHREN ZUR UMFORMUNG EINES BLECHS- UND FERTIGUNGSANLAGE MIT KONDUKTIVER ERWÄRMUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ DE FORMAGE D'UNE TÔLE ET INSTALLATION DE FABRICATION AVEC DISPOSITIF DE CHAUFFAGE PAR CONDUCTION

Publication

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Application

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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.

IPC 8 full level

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