

Title (en)

Method and device for thermal treatment of metal sheet

Title (de)

Verfahren sowie Vorrichtung zur thermischen Behandlung von Metallblech

Title (fr)

Procédé et dispositif pour le traitement thermique d'une tôle métallique

Publication

EP 2014777 B1 20130109 (DE)

Application

EP 07112278 A 20070711

Priority

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Abstract (en)

[origin: EP2014777A1] The method for thermal treatment of metal body (1), comprises fixing the metal body in a position and subjecting a first and second contact plate (2, 3) with a first and second planar surface section (6, 7) of the metal body, pressing the contact plates on the metal body, regulating temperature in the part area of the contact plate with higher or lower temperature, connecting the contact plates with a flexible transition element to each other, heating the metal body and contacting with the contact plate and cooling the contact plate. The method for thermal treatment of metal body (1), comprises fixing the metal body in a position and subjecting a first and second contact plate (2, 3) with a first and second planar surface section (6, 7) of the metal body, pressing the contact plates on the metal body, regulating temperature in the part area of the contact plate with higher or lower temperature before and/or during contacting the metal body with the contact plates through a temperature control device, connecting the contact plates with a flexible transition element to each other, heating the metal body and contacting with the contact plate and cooling the contact plate. The contact plates are formed corresponding to the contour of the planar surface section and are runnably arranged in the contacting state with the metal body parallel to each other. The contact plate possesses a higher or lower temperature against the metal body during contacting the metal body. The metal body is a sheet metal or a sheet metal form part. The first planar surface section is present on the top of the sheet metal and the second planar surface section is present below the sheet metal. The sheet metal or sheet metal form part is partially equipped with a zinc layer. The contact plates are removed and the metal body is remolded. The first and the second planar surface sections lie in the vicinity of the area to be remodeled.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

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- EP 2117743 A1 20091118 - SCHULER SMG GMBH & CO KG [DE]

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