

Title (en)
METHOD FOR PRODUCING A STEEL COMPOSITE MATERIAL

Title (de)
VERFAHREN ZUM ERZEUGEN EINES STAHLVERBUNDWERKSTOFFS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN MATÉRIAU COMPOSITE EN ACIER

Publication
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Application
EP 20727599 A 20200518

Priority

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Abstract (en)
[origin: WO2020244915A1] The invention relates to a method for producing a steel composite, wherein: - at least two steel sheets, which consist of at least two different steel grades, in particular a first steel grade composed of a hardenable steel containing manganese and a second steel grade composed of a microalloyed steel, are laid one on top of the other and subjected to a plating process by means of hot-rolling and the composite material thereby achieved is subsequently optionally cold-rolled; - after the rolling process, the composite material composed of at least two layers having a different steel composition is hot stamped or press hardened; - and the composite material is subjected to subsequent thermal treatment, the composite material being heat-treated between 150 °C and 300 °C for 15 minutes to 60 minutes in order to increase the bending angle by at least 5°.

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