

Title (en)  
METHOD FOR COATING STEEL SHEETS OR STEEL STRIPS AND METHOD FOR PRODUCING PRESS-HARDENED COMPONENTS THEREFROM

Title (de)  
VERFAHREN ZUM BESCHICHTEN VON STAHLBLECHEN ODER STAHLBÄNDERN UND VERFAHREN ZUR HERSTELLUNG VON PRESSGEHÄRTETEN BAUTEILEN HIERAUS

Title (fr)  
PROCÉDÉ DE REVÊTEMENT DE TÔLES D'ACIER OU DE BANDES D'ACIER ET PROCÉDÉ DE FABRICATION D'ÉLÉMENTS TREMPÉS À LA PRESSE À PARTIR DESDITES TÔLES OU BANDES

Publication  
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Application  
**EP 18714124 A 20180214**

Priority

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Abstract (en)  
[origin: WO2018153755A1] The invention relates to a method for coating a steel sheet or steel strip to which an aluminium-based coating is applied in a dip-coating process and the surface of the coating is freed of a naturally occurring aluminium oxide layer. In order to provide a low-cost method for coating steel sheets or steel strips that makes the steel sheets or steel strips outstandingly suitable for the production of components by means of press hardening and for the further processing thereof, it is proposed that transition metals or transition metal compounds are subsequently deposited on the freed surface of the coating to form a top layer. The invention also relates to a method for producing press-hardened components from the aforementioned steel sheets or steel strips with an aluminium-based coating.

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**C21D 1/06** (2013.01 - RU); **C21D 1/673** (2013.01 - KR US); **C21D 6/005** (2013.01 - KR US); **C21D 9/46** (2013.01 - KR US); **C22C 38/04** (2013.01 - KR US); **C23C 2/12** (2013.01 - EP KR RU US); **C23C 2/26** (2013.01 - EP RU US); **C23C 2/261** (2022.08 - EP KR RU US); **C23C 2/28** (2013.01 - EP RU US); **C23C 2/29** (2022.08 - EP KR US); **C23C 2/40** (2013.01 - KR US); **C23C 18/1689** (2013.01 - EP); **C23C 18/1692** (2013.01 - EP KR); **C23C 18/1824** (2013.01 - EP KR); **C23C 28/00** (2013.01 - RU); **C23C 28/321** (2013.01 - EP KR); **C23C 28/3455** (2013.01 - EP KR); **C23F 17/00** (2013.01 - KR US); **C25D 5/44** (2013.01 - EP KR US); **C25D 5/48** (2013.01 - EP KR RU); **C25D 5/50** (2013.01 - EP KR US); **C25D 7/0614** (2013.01 - EP KR US); **C21D 1/673** (2013.01 - EP)

Citation (search report)  
See references of WO 2018153755A1

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DOCDB simple family (publication)  
**WO 2018153755 A1 20180830**; EP 3585917 A1 20200101; EP 3585917 B1 20210929; KR 102285532 B1 20210804; KR 20190115001 A 20191010; RU 2729674 C1 20200811; US 11613791 B2 20230328; US 2020232057 A1 20200723

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