

Title (en)  
APPARATUS FOR THE CONTINUOUS THERMAL TREATMENT OF ELECTRICALLY CONDUCTIVE CONTINUALLY CAST MATERIAL AND ARRANGEMENT OF A SLIDING CONTACT ELEMENT

Title (de)  
VORRICHTUNG ZUR KONTINUIERLICHEN WAERMEBEHANDLUNG VON ELEKTRISCH LEITFAEHIGEM STRANGGUT UND ANORDNUNG EINES SCHLEIFKONTAKTELEMENTS

Title (fr)  
DISPOSITIF DE TRAITEMENT THERMIQUE CONTINU D'UN MATÉRIAU ALLONGÉ ÉLECTROCONDUCTEUR ET AGENCEMENT D'UN ÉLÉMENT DE CONTACT FROTTEUR

Publication  
**EP 2686457 B1 20180530 (DE)**

Application  
**EP 12700617 A 20120118**

Priority  
• DE 102011013827 A 20110314  
• EP 2012000220 W 20120118

Abstract (en)  
[origin: WO2012123048A1] In an apparatus for the continuous thermal treatment of metal continuously cast material having a heating section, the metal continuously cast material is led over two contact rollers, wherein the first contact roller (K1) is arranged at a first end and the second contact roller (K2) is arranged at a second end of said heating section. Both contact rollers are connected to a voltage source in such a way that a current flows through the metal continuously cast material between the first and the second contact roller. Here, electrical contact is made with one of the contact rollers via a sliding contact element (1), which is in electrical contact with a slip-ring disk (S1) arranged concentrically with the axis of said contact roller. The sliding contact element (1) is arranged on a current-carrying element (2) by means of a plug-in connection which can be detached by pulling and which has at least one resilient and electrically conductive fixing element (7).

IPC 8 full level  
**C21D 9/56** (2006.01); **C21D 9/62** (2006.01); **H01R 39/38** (2006.01); **H02K 5/14** (2006.01)

CPC (source: EP US)  
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US 2008296995 A1 20081204 - YU MENG-CHIU [TW], et al

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