

Title (en)
METHOD FOR TREATING ELONGATED METAL PRODUCT BY HEATING AND OXIDIZING THE SURFACE IN A CONTROLLED ENVIRONMENT

Title (de)
VERFAHREN ZUR BEHANDLUNG VON LÄNGLICHEN METALLPRODUKTEN DURCH ERHITZEN UND ZUR OBERFLÄCHENOXIDATION IN EINER KONTROLLIERTEN UMGEBUNG

Title (fr)
PROCÉDÉ DE TRAITEMENT D'UN PRODUIT ALLONGÉ EN MÉTAL PAR CHAUFFAGE ET OXYDATION DE LA SURFACE DANS UN ENVIRONNEMENT CONTRÔLÉ

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EP 2872657 A1 20150520 (EN)

Application
EP 13740335 A 20130710

Priority
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Abstract (en)
[origin: WO2014009727A1] A method and apparatus are provided for making a metal product with improved surface characteristics. The method provides for treating the metal product through a method comprising: heating the metal product; exposing the outer surface of the metal product to a controlled environment; and oxidising the outer surface of the metal product. The heating may take the metal product to an elevated temperature, the elevated temperature of the metal product being at least 725° C. The method further comprises a controlled environment around the metal product which is controlled with respect to the atmosphere around the metal product, and in particular the nitrogen and/or oxygen and/or hydrogen content thereof. The result is a more consistent surface for elongate metal products, having a more consistent colour to the surface, a more durable and hard wearing surface and/or a surface which is not prone to flaking.

IPC 8 full level
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Citation (search report)
See references of WO 2014009727A1

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