

Title (en)
TITANIUM SLAB FOR HOT ROLLING, AND PRODUCTION METHOD THEREFOR

Title (de)
TITANPLATTE ZUM WARMWALZEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ÉBAUCHE EN TITANE POUR LAMINAGE À CHAUD ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 3202953 A4 20180509 (EN)

Application
EP 14903243 A 20140930

Priority
JP 2014076083 W 20140930

Abstract (en)
[origin: EP3202953A1] Provided is a titanium cast product made of titanium alloy, the titanium cast product being produced by electron-beam remelting or plasma arc remelting, comprising: a melted and resolidified layer in a range of 1 mm or more in depth at a surface serving as a surface to be rolled, the melted and resolidified layer being obtained by adding one or more kinds of ² stabilizer elements to the surface and melting and resolidifying the surface. An average value of ² stabilizer element concentration in a range of within 1 mm in depth is higher than ² stabilizer element concentration in a base material by, in mass%, equal to or more than 0.08 mass% and equal to or less than 1.50 mass%. As the material containing the ² stabilizer element, powder, a chip, wire, or foil is used. As means for melting a surface layer, electron-beam heating and plasma arc heating are used.

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Citation (search report)
• [E] EP 2982777 A1 20160210 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
• [I] JP 2007332420 A 20071227 - NIPPON STEEL CORP
• See references of WO 2016051502A1

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JP 6075385 B2 20170208; JP WO2016051502 A1 20170427; KR 20170047339 A 20170504; UA 116510 C2 20180326;
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