

Title (en)
PRODUCTION METHOD FOR STEEL CONTINUOUSLY CAST PIECE AND SYSTEM FOR CARING SURFACE DEFECT OF CAST PIECE

Title (de)
HERSTELLUNGSVERFAHREN FÜR EIN DURCHGEHENDES STAHLFORMTEIL UND SYSTEM ZUR BEHANDLUNG EINES OBERFLÄCHENFEHLERS DES FORMTEILS

Title (fr)
PROCEDE DE PRODUCTION D'UNE PIECE EN ACIER COULEE EN CONTINU ET SYSTEME DESTINE AU TRAITEMENT D'UN DEFAUT DE SURFACE D'UNE PIECE COULEE

Publication
EP 1980345 B1 20130522 (EN)

Application
EP 07737461 A 20070221

Priority
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• JP 2006044799 A 20060222

Abstract (en)
[origin: EP1980345A1] A method of producing continuous casting slabs, which can restrict the occurrence of surface defects in products to provide steel sheets having a required surface quality level is provided. More specifically, sizes and three-dimensional positions of surface layer defects in the slabs are determined. Regarding obtained data of the surface layer defects of the slabs, a determination is made as to whether there exists any surface layer defect that needs to be removed on the basis of a predetermined conditioning standard, so that any surface layer defect that needs to be removed is removed in a step of conditioning the slabs. The conditioning standard corresponds to features of the surface layer defects of the slabs, which become the surface defects of steel sheets, which are extracted as a result of comparing and checking data of the surface layer defects of the slabs, which determine the sizes and the three-dimensional positions of the surface layer defects of the slabs, with data of the surface defects of the steel sheets, which determines the sizes and two-dimensional positions of the surface defects in the sheets, obtained as materials of the slabs.

IPC 8 full level
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B21B 1/02 (2013.01 - KR); **B21B 1/46** (2013.01 - KR); **B21B 38/00** (2013.01 - KR); **B21C 51/00** (2013.01 - EP KR); **B22D 11/16** (2013.01 - EP KR); **B21B 1/46** (2013.01 - EP); **B21B 38/00** (2013.01 - EP)

Cited by
CN110234458A; EP3925729A1; RU2693246C2; EP3488948A1; US11185943B2; US11400542B2; US10589327B2; WO2015175403A1; WO2021058433A1; WO2018091571A1; WO2018091572A1; WO2018091562A1; WO2021254971A1

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