

Title (en)
Process for casting between cylinders

Title (de)
Verfahren zum Giessen zwischen Zylindern

Title (fr)
Procédé de coulée continue entre cylindres

Publication
EP 0841112 A1 19980513 (FR)

Application
EP 97402589 A 19971031

Priority
FR 9613777 A 19961107

Abstract (en)
A detection method of continuous casting between rolls of steel products comprises measuring continuously the roll separation strain (RSF) and a signal representative of the variations in this strain (RSF) generated as a function of time. The signal is used to act upon the roll separation to compensate for any untrue roundness of the rolls. During these measurements the signal is separated into different harmonic components and the resulting comparison of the harmonic components thus obtained with some reference harmonics is representative of the state of defects in the rolls. This state of defects in the rolls allows the definition of different rules for conducting the casting process as a function of the gravity of the roll defects measured.

Abstract (fr)
Procédé de détection de défauts lors d'une coulée continue entre cylindres selon lequel, au cours de la coulée, on mesure un signal dépendant de l'effort d'écartement des cylindres (RSF), on sépare ledit signal en différentes composantes harmoniques, le résultat de la comparaison des composantes harmoniques ainsi obtenues avec des harmoniques de référence étant représentative d'un état de défauts des cylindres, cet état de défauts des cylindres permettant de définir différentes règles de conduite du procédé. Application notamment à la coulée continue entre cylindres de bandes minces en acier. <IMAGE>

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CPC (source: EP KR US)
B22D 11/0622 (2013.01 - EP KR US); **B22D 2/00** (2013.01 - KR); **B22D 11/16** (2013.01 - KR)

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