Title (en)

Method of tension/compression control in a multistand hot rolling mill and corresponding control system

Title (de)

Verfahren zur Zug-/Druckregelung in einem Vielständer-Warmwalzwerk und entsprechendes Regelungssystem

Title (fr)

Procédé de régulation des tractions/compressions dans un laminoir multicage à chaud et système de commande correspondant

Publication

EP 1020240 B1 20030312 (FR)

Application

EP 00400038 A 20000110

Priority

FR 9900181 A 19990111

Abstract (en)

[origin: EP1020240A1] Regulation of the traction and/or compression in a multi-cage rolling mill working with hot metal products comprises measuring the value of the rolling couple for each cage (11, 12, 1j, 1n) traversed by the metal product (B) at the moment where this product goes on to reach the following cage and then when the cage for which the measure is effected is commuted by regulation of the couple. The last cage reached by the product delayed by regulation of the speed and acts in so far as a pilot cage with respect to all other cages situated upstream, in order to allow this to conserve a couple equal to its reference couple by adaptation of its seed. When the measures of the reference couple have been memorized in the control system (2, 3) the regulation is obtained by exploitation of a key of the distribution of the constraints between cages. The control system using this method of regulation for a multi-cage hot rolling mill is also claimed.

IPC 1-7

B21B 37/52

IPC 8 full level

B21B 37/00 (2006.01); **B21B 37/48** (2006.01); **B21B 37/52** (2006.01)

CPC (source: EP KR US)

B21B 37/00 (2013.01 - KR); **B21B 37/52** (2013.01 - EP US); B21B 2275/04 (2013.01 - EP US); B21B 2275/12 (2013.01 - EP US)

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