

Title (en)

Method for supervising a rolling mill, particularly for the on-line control of the rolling process in sendzimir-type mills

Title (de)

Verfahren zur Überwachung eines Walzwerkes, insbesondere zur On-Line-Steuerung des Walzprozesses in Sendzimir-Walzwerken

Title (fr)

Procédé pour la surveillance d'un laminoir, en particulier pour la commande en ligne du processus de laminage dans des laminoirs Sendzimir

Publication

EP 0924002 A3 20020417 (EN)

Application

EP 98204277 A 19981217

Priority

IT MI972794 A 19971217

Abstract (en)

[origin: EP0924002A2] A method for supervising a rolling mill, particularly for the on-line control of the rolling process in Sendzimir-type mills, characterized in that it comprises the steps that consist in: interfacing the user with a mathematical model which is suitable to generate rolling schedules on the basis of parameters related to the type of material to be rolled and to the type of mill used, and periodically activating the mathematical model; supplying the mathematical model with the parameters required to determine a rolling schedule which is suitable for the material to be rolled; activating the various functions of the mathematical model according to the current rolling events; and managing the output information of the model in order to feed it back to a higher-level supervisor system which is suitable to control the rolling process. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

B21B 37/00 (2013.01); **B21B 13/147** (2013.01); **B21B 2265/22** (2013.01)

Citation (search report)

- [X] US 4745556 A 19880517 - TURLEY JOHN W [US]
- [X] "MATHEMATICAL MODELLING FOR SENDZIMIR MILL PROCESS CONTROL", STEEL TIMES INTERNATIONAL, FMJ INTERNATIONAL PUBLICATIONS, REDHILL, SURREY, ENGLAND, GB, vol. 18, no. 1, 1994, pages 24 - 25, XP000426042, ISSN: 0143-7798
- [X] SERRANO A ET AL: "PREREGLAGE AUTOMATIQUE POUR LAMINOIRS REVERSIBLES **", CAHIERS D'INFORMATIONS TECHNIQUES DE LA REVUE DE METALLURGIE, REVUE DE METALLURGIE. PARIS, FR, vol. 87, no. 7 / 8, 1 July 1990 (1990-07-01), pages 669 - 679, XP000163066, ISSN: 0035-1563

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