Title (en)

Device for the operation of a multiple stand rolling mill

Title (de)

Einrichtung zum Betrieb einer mehrgerüstigen Walzstrasse

Title (fr)

Dispositif pour l'opération d'un laminoir à plusieurs cages

Publication

EP 0775536 A3 20021113 (DE)

Application

EP 96402515 A 19961122

Priority

DE 19545262 A 19951125

Abstract (en)

[origin: EP0775536A2] The control equipment for the operation of a multi-sand rolling mill comprises a single physical simulation model (2) reproducing the technological relationship of individual mill stands, linked to a central controller (1) for all technological function, controlled optionally via adjusting elements of the mill or appropriate elements of the simulation model.

IPC 1-7

B21B 37/00

IPC 8 full level

B21B 37/00 (2006.01)

CPC (source: EP US)

B21B 37/00 (2013.01 - EP US)

Citation (search report)

- [A] DE 3430971 A1 19850509 - MITSUBISHI ELECTRIC CORP [JP]
- [A] WO 9300181 A1 19930107 - SIEMENS AG [DE]
- [XA] BERGER U: "ANTRIEBS- UND REGELTECHNIK AN KALTWALZANLAGEN", STAHL UND EISEN, VERLAG STAHLEISEN GMBH. DUSSELDORF, DE, vol. 113, no. 8, 16 August 1993 (1993-08-16), pages 83 - 85, XP000397521, ISSN: 0340-4803
- [A] RICHTER B ET AL: "STICHPLANBERECHNUNG UND OPTIMIERUNG FUR KALTBANDWALZWERKE CALCULATION AND IMPROVEMENT OF THE ROLLING SCHEDULE OF COLD STRIP MILLS", STAHL UND EISEN, VERLAG STAHLEISEN GMBH. DUSSELDORF, DE, vol. 115, no. 2, 16 February 1995 (1995-02-16), pages 53 - 59,135, XP000496376, ISSN: 0340-4803
- [A] DOBRUCKI, GREGORCZYK: "Mathematishes modell des walzgerüsts und des walzprozesses", NEUE HÜTTE, no. 09, September 1989 (1989-09-01), pages 332 - 336, XP002213372

Cited by

DE102006025026A1; EP2051362A4

Designated contracting state (EPC)

BE CH DE FR GB LI NL

DOCDB simple family (publication)

EP 0775536 A2 19970528; **EP 0775536 A3 20021113**; **EP 0775536 B1 20050209**; DE 19545262 A1 19970605; DE 19545262 B4 20040805; DE 59611192 D1 20050317; US 5797288 A 19980825

DOCDB simple family (application)

EP 96402515 A 19961122; DE 19545262 A 19951125; DE 59611192 T 19961122; US 75442496 A 19961122