

Title (en)

Method of determining the roll force

Title (de)

Verfahren zur Bestimmung der Walzkraft

Title (fr)

Procédé pour déterminer la force de laminage

Publication

EP 0960662 A3 20021127 (DE)

Application

EP 99107486 A 19990429

Priority

DE 19823986 A 19980529

Abstract (en)

[origin: EP0960662A2] In determining the rolling force (F_w) depending on a friction coefficient ($f(x)$), where $x = 0 - l_d$, variable over the roll gap length (l_d) between the roll (2) and rolled stock (1), a function of the friction coefficient ($f(x)$) over the roll gap length (l_d) depending on a vertical voltage ($y = f_1(x)$), an average flow voltage $k_f = k_{fm}$, a rolling angle ($\alpha = f_2(x)$), and a correction factor, the influence of lubricants and geometric roll gap ratios is determined.

IPC 1-7

B21B 38/08

IPC 8 full level

B21B 38/08 (2006.01)

CPC (source: EP)

B21B 38/08 (2013.01)

Citation (search report)

[DA] BERNHARDT R: "NEUES REIBUNGSMODELL FÜR DAS FLACHWALZEN UND ERSTE BETRIEBSERFAHRUNGEN", STAHL UND EISEN, VERLAG STAHEISEN GMBH. DÜSSELDORF, DE, vol. 118, no. 1, 20 January 1998 (1998-01-20), pages 35 - 37, XP000734830, ISSN: 0340-4803

Cited by

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EP 0960662 A2 19991201; **EP 0960662 A3 20021127**; **EP 0960662 B1 20041013**; DE 19823986 A1 19991202; DE 59910799 D1 20041118

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