Title (en)

OPTIMISED SHIFT STRATEGY AS A FUNCTION OF STRIP WIDTH

Title (de)

OPTIMIERTE VERSCHIEBESTRATEGIEN ALS FUNKTION DER BANDBREITE

Title (fr)

STRATEGIES DE DEPLACEMENT OPTIMALISEES EN FONCTION DE LA LARGEUR DE BANDE

Publication

EP 1694447 B1 20090527 (DE)

Application

EP 04797824 A 20041111

Priority

- EP 2004012796 W 20041111
- DE 10359402 A 20031218

Abstract (en)

[origin: US7367209B2] The invention relates to a method for the optimization of shift strategies, as a function of the strip width, for best possible usage of the advantages of CVC/CVC^{Plus}technology in operation of strip-edge oriented shifts in 4-/6-roller stands, comprising a pair of working rollers and a pair of support rollers for a 4-roller stand and, in addition, a pair of intermediate rollers for a 6-roller stand, whereby at least the working rollers and the intermediate rollers cooperate with devices for axial shifting, characterized in that selection of the shift position (VP), for the shifting working/intermediate rollers, is made as a function of strip width. The working/intermediate rollers are then positioned in various positions (P), relative to the strip edge and, within differing strip width ranges (B), the shift position (VP) of each roller is given by an incremental linear progressive function.

IPC 8 full level

B21B 13/14 (2006.01); **B21B 37/40** (2006.01)

CPC (source: EP KR US)

B21B 13/14 (2013.01 - KR); **B21B 13/142** (2013.01 - EP US); **B21B 37/28** (2013.01 - KR); **B21B 37/40** (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005058517 A1 20050630; AT E432130 T1 20090615; BR PI0417704 A 20070320; BR PI0417704 B1 20180424; CA 2545071 A1 20050630; CA 2545071 C 20110111; CN 1894054 A 20070110; CN 1894054 B 20100526; DE 10359402 A1 20050714; DE 502004009541 D1 20090709; EP 1694447 A1 20060830; EP 1694447 B1 20090527; ES 2324916 T3 20090819; JP 2007514546 A 20070607; KR 101187363 B1 20121002; KR 20060107744 A 20061016; RU 2006125728 A 20080127; RU 2367531 C2 20090920; TW 200523045 A 20050716; TW I324539 B 20100511; UA 90255 C2 20100426; US 2007101792 A1 20070510; US 7367209 B2 20080506; ZA 200600992 B 20070131

DOCDB simple family (application)

EP 2004012796 W 20041111; AT 04797824 T 20041111; BR PI0417704 A 20041111; CA 2545071 A 20041111; CN 200480037995 A 20041111; DE 10359402 A 20031218; DE 502004009541 T 20041111; EP 04797824 A 20041111; ES 04797824 T 20041111; JP 2006544237 A 20041111; KR 20067008023 A 20041111; RU 2006125728 A 20041111; TW 93134643 A 20041112; UA A200608034 A 20041111; US 58329304 A 20041111; ZA 200600992 A 20060203