

Title (en)
ROLL STAND

Title (de)
WALZGERÜST

Title (fr)
CAGE DE LAMINOIR

Publication
EP 0822872 B2 20050810 (DE)

Application
EP 96910844 A 19960423

Priority
• AT 9600078 W 19960423
• AT 71195 A 19950425

Abstract (en)
[origin: WO9633823A1] In a roll stand with two rolls (1, 2) forming a gap (34), the rolls can be driven via drive shafts (11, 12) by their own drive motors (13, 14), in which a toothed coupling (17) is used in combination with an articulated linkage (24) permitting a larger angular staggering of the shafts. In order to transmit maximum torques from the drive motors to the rolls (1, 2), each drive shaft (11, 12) consists of two components inclinable towards each other and at least one of the drive shafts (12), which is in two parts, has a single toothed coupling (17) to connect with one roll (2) and articulated linkages (24), especially universal joints, at the other two link positions between its components (20, 23) and towards the drive motor (14).

IPC 1-7
B21B 35/14

IPC 8 full level
B21B 35/04 (2006.01); **B21B 35/14** (2006.01)

CPC (source: EP KR US)
B21B 35/14 (2013.01 - KR); **B21B 35/143** (2013.01 - EP US); **B21B 35/148** (2013.01 - EP US); **B21B 35/145** (2013.01 - EP US)

Citation (opposition)
Opponent :
• EP 0324168 A2 19890719 - SCHLOEMANN SIEMAG AG [DE]
• Walzwerke, Mscginen und Anlageb, VEB Deutscher Verlag für Grundstoffindustrie, Leipzig, Autorenkollektiv H. Becker et al. 1979

Cited by
DE102009031324A1; CN102123799A; WO2011000397A1; US8904841B2

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