

Title (en)
Twin roll strip casting apparatus

Title (de)
Zweirollen-Bandgiessvorrichtung

Title (fr)
Appareil de coulée continue entre deux cylindres

Publication
EP 1025931 B1 20030115 (EN)

Application
EP 00300787 A 20000201

Priority
AU PP852699 A 19990205

Abstract (en)
[origin: EP1025931A2] Twin roll strip caster comprising parallel casting rolls (16) one of which is mounted on moveable roll supports (104) which allow it to move bodily toward and away from the other roll (16). A pair of roll biasing units (110) comprising compression act on roll supports (104) to bias the moving roll (16) toward the other roll. Biasing units (110) comprise compression springs (112) acting on roll supports (104) through thrust transmission structures (122) and thrust reaction structures (121). The positions of thrust reaction structures (121) are set by hydraulic cylinder units (119) operable vary the position of each reaction structure (121) to replicate movements of the respective thrust transmission structure 122 so as to maintain a constant compression of the biasing springs (112) regardless of lateral movements of the roll supports (104).

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B22D 11/06; **B22D 11/20**

IPC 8 full level
B22D 11/16 (2006.01); **B22D 11/06** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR)
B22D 11/0622 (2013.01 - EP); **B22D 11/16** (2013.01 - KR); **B22D 11/20** (2013.01 - EP)

Cited by
US6536506B2; CN113113561A; EP1294507A4; US6988530B2; US11458534B2; WO0196047A1

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