

Title (en)
Twin roll strip casting apparatus

Title (de)
Zweirollen-Bandgiessvorrichtung

Title (fr)
Appareil de coulée de bande a deux cylindres

Publication
EP 1025931 A3 20010117 (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 springs (112) acting 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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CPC (source: EP KR)
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Citation (search report)

- [PX] EP 0903190 A2 19990324 - ISHIKAWAJIMA HARIMA HEAVY IND [JP], et al
- [A] US 5706882 A 19980113 - FELLUS GILLES [FR], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 023 (M - 1541) 14 January 1994 (1994-01-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 311 (M - 436) 7 December 1985 (1985-12-07)

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