

Title (en)
APPARATUS FOR ADVANCING ROLLED STRIP

Publication
EP 0192982 B1 19910925 (DE)

Application
EP 86101127 A 19860129

Priority
DE 3507251 A 19850301

Abstract (en)
[origin: US4759485A] The drive apparatus is for rolling mills, especially for those which are subjecting the strip to a heat treating operation in wide-strip rolling-mill trains. The lower drive roll is mounted in the frame, and with reference to the upper drive roll which is connected to the swing arm, so as to be capable of performing adjusting and swinging movements. The respective housings of the lower drive roll are connected to hydraulically operated swing cylinders and position indicator devices. When the pressure control is operative the contact force at the rolls is a function of the prevailing hydraulic pressure. The apparatus also allows automatic zeroing of the drive roll gap.

IPC 1-7
B21C 47/34; B21D 43/09

IPC 8 full level
B21B 39/08 (2006.01); **B21C 47/00** (2006.01); **B21C 47/34** (2006.01); **B21D 43/09** (2006.01); **B65H 20/02** (2006.01); **B21B 39/00** (2006.01)

CPC (source: EP US)
B21C 47/34 (2013.01 - EP US); **B21C 47/3425** (2013.01 - EP US); **B21D 43/09** (2013.01 - EP US); **B65H 20/02** (2013.01 - EP US); **B21B 39/006** (2013.01 - EP US)

Cited by
CN104649052A; AT510149B1; EP0790084A3; CN103639314A; EP0805022A1; ITMI20111274A1; CN103702776A; EP0747147A3; CN1071692C; WO2013008159A2; US9132460B2; WO2013008159A3

Designated contracting state (EPC)
BE DE FR IT NL

DOCDB simple family (publication)
EP 0192982 A2 19860903; EP 0192982 A3 19890329; EP 0192982 B1 19910925; DE 3507251 A1 19860904; DE 3681605 D1 19911031; JP H0526568 B2 19930416; JP S61262424 A 19861120; US 4759485 A 19880726

DOCDB simple family (application)
EP 86101127 A 19860129; DE 3507251 A 19850301; DE 3681605 T 19860129; JP 4203086 A 19860228; US 83462886 A 19860227