

Title (en)
PROCESS AND DEVICE FOR THE ROLLING OF METAL WITHOUT TENSION

Publication
EP 0041025 B1 19850109 (FR)

Application
EP 81400827 A 19810525

Priority
FR 8011796 A 19800528

Abstract (en)
[origin: US4408470A] The invention involves a procedure having three key stages: In the first stage, just prior to the introduction of the metal into stand (n+1), the value of the rolling torque in stand (n) is determined and recorded. Then, in the second stage, when the metal is introduced into stand (n+1), the value of the rolling torque in stand (n) is held constant by controlling the speed regulator of stand (n) up to the time the metal is introduced into stand (n+2). Finally, in the third stage, which continues until the rolling operation in stand (n) has been completed, the voluminal flow of the metal is held constant at the line of each stand by applying a multiplier coefficient to the signal representing the ratio between the speeds of two successive stands.

IPC 1-7
B21B 37/06

IPC 8 full level
B21B 37/48 (2006.01); **B21B 37/52** (2006.01); **B21B 1/12** (2006.01)

CPC (source: EP US)
B21B 37/52 (2013.01 - EP US); **B21B 1/12** (2013.01 - EP US); **B21B 2275/04** (2013.01 - EP US); **B21B 2275/12** (2013.01 - EP US)

Cited by
EP0698572A1; EP0290834A1; US4942543A

Designated contracting state (EPC)
BE DE GB SE

DOCDB simple family (publication)
EP 0041025 A1 19811202; **EP 0041025 B1 19850109**; DE 3168119 D1 19850221; FR 2483268 A1 19811204; FR 2483268 B1 19840127; JP S5736007 A 19820226; US 4408470 A 19831011

DOCDB simple family (application)
EP 81400827 A 19810525; DE 3168119 T 19810525; FR 8011796 A 19800528; JP 7128381 A 19810512; US 26691681 A 19810526