

Title (en)

Method and installation for rolling a metal plate

Title (de)

Verfahren und Anlage zum Walzen einer Metallplatte

Title (fr)

Procédé et installation de laminage d'une plaque métallique

Publication

**EP 0560662 B1 19970514 (FR)**

Application

**EP 93400589 A 19930305**

Priority

FR 9202860 A 19920310

Abstract (en)

[origin: EP0560662A1] The subject of the invention is a method for introducing a metal plate (2) into a rolling housing (cage, stand) (10) and an improved installation for facilitating the engagement of the plate in the nip (gap) (13) between the work rolls (1, 11) of the rolling mill. According to the invention, at least one of the latter rollers (45) of the table (3), placed immediately upstream of the housing (cage, stand) (10), in the direction of engagement, is mounted so as to be movable vertically with respect to the table (3) and is subjected to a lifting force which is at least equal to the weight of the front end (22) of the plate (2) so that, at the end of its advance towards the housing (cage, stand), the said front end (22) is supported by the movable roller (45) which is thus perfectly applied on the lower face (20) of the plate and is, moreover, driven in rotation in the direction of engagement so as to exert on the plate (2) a thrust force which is added to the force exerted at least by the first driven roller (32) of the table (3) in order to favour the introduction of the plate (2) into the nip (gap) (13). <IMAGE>

IPC 1-7

**B21B 39/10**

IPC 8 full level

**B21B 39/10** (2006.01)

CPC (source: EP US)

**B21B 39/10** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 0560662 A1 19930915; EP 0560662 B1 19970514**; CN 1046220 C 19991110; CN 1076876 A 19931006; DE 69310586 D1 19970619; DE 69310586 T2 19971127; ES 2103443 T3 19970916; FR 2688429 A1 19930917; FR 2688429 B1 19960712; US 5435165 A 19950725

DOCDB simple family (application)

**EP 93400589 A 19930305**; CN 93102850 A 19930310; DE 69310586 T 19930305; ES 93400589 T 19930305; FR 9202860 A 19920310; US 2924393 A 19930310