

Title (en)

Bending block for bending the rolls of multiroll rolling stands

Title (de)

Biegeblock zum Biegen der Walzen von Mehrwalzen-Walzgerüsten

Title (fr)

Bloc pour le cintrage des cylindres de cages de laminoin à cylindres multiples

Publication

EP 0623401 B1 19960703 (DE)

Application

EP 94106104 A 19940420

Priority

DE 4314472 A 19930503

Abstract (en)

[origin: EP0623401A1] A bending block for bending the rolls (5, 6) of multiroll rolling stands. On both sides of the chocks (9, 10) of the pair of rolls (5, 6) to be bent, the bending block (7, 8) is rigidly connected to the window crossbeams (1 and 2) of the rolling stand. In each of the bending blocks (7, 8), pairs of partial bending jaws (11a, 11b; 12a, 12b; 13a, 13b; 14a, 14b) are guided so as to be displaceable in the directions of bending and are driveable by means of piston-cylinder units. The pairs of partial bending jaws (11a, 11b; 12a, 12b; 13a, 13b; 14a, 14b) act by means of pressure bearing surfaces on pressure-accepting surfaces on the chocks (9, 10), each of these pressure-accepting surfaces being assigned to one direction of bending. Each pair of bending jaws consists of partial bending jaws which can be driven independently in opposite directions and the pressure bearing surfaces of which are each assigned to one direction of bending. <IMAGE>

IPC 1-7

B21B 29/00

IPC 8 full level

B21B 29/00 (2006.01)

CPC (source: EP US)

B21B 29/00 (2013.01 - EP US)

Cited by

EP0738546A1; FR2733171A1; US6993951B1; WO9965621A1; WO0069579A1; WO2023194098A1

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0623401 A1 19941109; EP 0623401 B1 19960703; AT E139914 T1 19960715; DE 4314472 A1 19941110; DE 59400390 D1 19960808; ES 2091064 T3 19961016; JP H06344014 A 19941220; TW 278055 B 19960611; US 5638716 A 19970617

DOCDB simple family (application)

EP 94106104 A 19940420; AT 94106104 T 19940420; DE 4314472 A 19930503; DE 59400390 T 19940420; ES 94106104 T 19940420; JP 9342594 A 19940502; TW 83103260 A 19940413; US 23734794 A 19940503