

Title (en)

PORTAL-TYPE ROLL-THROUGH WHEEL LATHE FOR MACHINING OF RAILWAY WHEELSETS

Title (de)

PORTALRADSATZDREHMASCHINE

Title (fr)

TOUR A ROUES A DEFILEMENT CONTINU DU TYPE PORTIQUE POUR L'USINAGE DES TRAINS DE ROUES DE VEHICULES FERROVIAIRES

Publication

EP 0804311 A1 19971105 (EN)

Application

EP 95916869 A 19950504

Priority

- PL 9500007 W 19950504
- PL 30688395 A 19950117

Abstract (en)

[origin: WO9622171A1] The invention describes the Portal-type Roll-through Wheel Lathe for machining of wheels (2) and brake discs of wheelset (1), dismantled from the rail vehicle and clamped in two centers (29) of quills (28), installed extendably in tailstocks (27) of portal body (6). Each tailstock is provided with guideways (30) for pressing-driving units (31) of two pairs of rollers (35, 35'), each pair for each driven wheel (2), mounted movably. The body (31') of unit (31) is provided with hinged (upwards and downwards) double-arm levers (32, 32', 33, 33'), fixed by means of shafts (34), which arms (32', 33') are coupled with the body (31') by means of cylinders (37) with compensators, for example spring type, pressing asymmetrically the rollers (35, 35') against wheels (2), and roller shafts with holders and drives (36) are fixed in the arms (32, 33) of lever. The Wheel Lathe is also equipped with floor segments (21, 21'), connected with a joint (26), which is fixed to the consoles (7), and the segment (21') is provided with lifting jack (23) for wheels (2) and cylinder (24) lifting the floor to the rails level, and then only segment (21) just over the rails level.

IPC 1-7

B23B 5/28

IPC 8 full level

B23B 5/28 (2006.01)

CPC (source: EP)

B23B 5/28 (2013.01)

Citation (search report)

See references of WO 9622171A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9622171 A1 19960725; CN 1059620 C 20001220; CN 1173151 A 19980211; EP 0804311 A1 19971105; PL 175431 B1 19981231; PL 306883 A1 19960722; RU 2132255 C1 19990627

DOCDB simple family (application)

PL 9500007 W 19950504; CN 95197364 A 19950504; EP 95916869 A 19950504; PL 30688395 A 19950117; RU 96121353 A 19950504