

Title (en)
Device for reconditioning the rail surface by grinding

Title (de)
Vorrichtung zum Bearbeiten der Laufflächen von Schienen durch Umfangsschleifen

Title (fr)
Dispositif pour reprofiler un rail par meulage

Publication
EP 1460176 B1 20060712 (DE)

Application
EP 03006321 A 20030320

Priority
EP 03006321 A 20030320

Abstract (en)
[origin: EP1460176A1] A grinding frame moving along a rail (1) has two freely turnable grinding tools. The grinding face (12) of a first tool (10) has a contour, which covers only the upper running face (2) of the rail, and a second tool has a grinding face for one of the two side edges (3,4) of the rail next to the upper face. The tool is supported in direction of contact pressure against the running faces and relative to the frame, by a spring body, which can be bridges selectively by a rigid support. The tools have rotational axis (11) enclosing an acute angle with the longitudinal rail direction, and each tool is rotary-symmetrical to its axis.

IPC 8 full level
E01B 31/17 (2006.01)

CPC (source: EP)
E01B 31/17 (2013.01)

Cited by
EP2390415A1; EP3779045A1; EP2400056A1; DE102021120681B3; CZ303595B6; AT522861A1; EP3879032A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1460176 A1 20040922; EP 1460176 B1 20060712; AT E333006 T1 20060815; CN 100532719 C 20090826; CN 1759219 A 20060412; DE 50304209 D1 20060824; ES 2269848 T3 20070401; JP 2006520435 A 20060907; JP 4586016 B2 20101124; WO 2004083524 A1 20040930

DOCDB simple family (application)
EP 03006321 A 20030320; AT 03006321 T 20030320; CN 200480006640 A 20040319; DE 50304209 T 20030320; EP 2004002884 W 20040319; ES 03006321 T 20030320; JP 2006504745 A 20040319