

Title (en)
MACHINE FOR REPLACING OR RENEWING THE RAILS AND SLEEPERS OF AN EXISTING TRACK

Publication
EP 0255564 B1 19890719 (DE)

Application
EP 86890218 A 19860725

Priority
EP 86890218 A 19860725

Abstract (en)
[origin: EP0255564A1] 1. A travelling machine for the continuous replacement or renewal of a laid track consisting of rails and sleepers comprising an elongate, bridge-like machine frame which is mounted at either end on on-track undercarriages and which consists of two frame sections spreadable against one another by vertically and horizontally acting, hydraulic pivoting and locking drives and interconnected by a frame coupling in the region of an intermediate on-track undercarriage vertically displaceable by the spreading effect the two undercarriages for lifting and spreading the old rails, for taking up the old sleepers, for grading the trackless part of the ballast bed, for laying the new sleepers on the graded bed and for spreading and laying the new rails on the new sleepers, characterized in that the ballast grading unit is formed by an endless ballast clearing and grading chain (31) which is designed to grade and, at the same time, trim only that layer or surface (30) of ballast remains after lifting to the rails (3) and in that a ballast conveyor system (42) associated at its receiving end (46) with the ballast clearing and grading chain (31) is arranged on the rear frame section (14) - in the working direction - of the bridge-like machine frame (10) equipped with the rear on-track undercarriage (9), the ballast conveyor system (42) being associated at its discharge end with a ballast distributing unit (43, 56, 67) designed for the measured introduction of the ballast taken up at the ends of the newly laid sleepers behind the rear on-track undercarriage of the rear frame section (14).

IPC 1-7
E01B 27/11; E01B 29/05

IPC 8 full level
E01B 27/17 (2006.01); **E01B 27/11** (2006.01); **E01B 29/00** (2006.01); **E01B 29/05** (2006.01)

CPC (source: EP US)
E01B 27/11 (2013.01 - EP US); **E01B 29/05** (2013.01 - EP US)

Cited by
EP0775780A1; EP2130973A3; EP1607522A1; AU779757B2; EP1172481A3; FR2741640A1; AT503118B1; EP1179634A3; CH708506A1; EP2431522A1; EP1179634A2; EP1172481A2; WO2010112107A1; WO2012034693A1

Designated contracting state (EPC)
AT DE FR GB IT SE

DOCDB simple family (publication)
EP 0255564 A1 19880210; EP 0255564 B1 19890719; AT E44788 T1 19890815; AU 588447 B2 19890914; AU 7138587 A 19880128; BR 8702753 A 19880301; CA 1287263 C 19910806; CN 1004434 B 19890607; CN 87104397 A 19880203; CZ 278617 B6 19940413; CZ 505387 A3 19940216; DD 261387 A5 19881026; DE 3664504 D1 19890824; IN 168552 B 19910427; JP H0756122 B2 19950614; JP S6332001 A 19880210; SK 278172 B6 19960306; SK 505387 A3 19960306; SU 1554773 A3 19900330; US 4854243 A 19890808

DOCDB simple family (application)
EP 86890218 A 19860725; AT 86890218 T 19860725; AU 7138587 A 19870410; BR 8702753 A 19870529; CA 539214 A 19870609; CN 87104397 A 19870625; CS 505387 A 19870703; DD 30516087 A 19870720; DE 3664504 T 19860725; IN 278CA1987 A 19870406; JP 12359987 A 19870520; SK 505387 A 19870703; SU 4202800 A 19870629; US 5418287 A 19870526