

Title (en)
MACHINE FOR SUCKING UP RAIL BALLAST.

Title (de)
MASCHINE ZUM ABSAUGEN VON SCHOTTER EINER GLEIS-SCHOTTERBETTUNG.

Title (fr)
MACHINE PERMETTANT D'ASPIRER UN BALLAST DE VOIE FERREE.

Publication
EP 0635082 A1 19950125 (DE)

Application
EP 94902530 A 19940105

Priority
• AT 9400001 W 19940105
• AT 15293 A 19930129

Abstract (en)
[origin: US5456181A] A mobile machine for aspirating ballast from a ballast bed comprises a machine frame extending in a longitudinal direction and supported by undercarriages running on a track. Mounted on the machine frame are a ballast aspirating device comprising a short suction inlet pipe defining a suction inlet port, and a ballast excavating device vertically adjustable by drive means linking the ballast excavating device to the machine frame. The ballast excavating device comprises a substantially horizontally extending beam having opposite ends, a guide roller mounted on each beam end and an endless ballast excavating chain trained over the guide rollers, the beam being pivotal about a vertical axis at one of the beam ends and arranged in an operating position laterally adjacent one of the tie ends at one of the ballast bed shoulders and the suction inlet port being vertically adjustable in said operating position.

IPC 1-7
E01B 27/10

IPC 8 full level
B61D 3/12 (2006.01); **E01B 27/00** (2006.01); **B61D 15/00** (2006.01); **B61D 47/00** (2006.01); **E01B 27/04** (2006.01); **E01B 27/06** (2006.01); **E01B 27/10** (2006.01)

CPC (source: EP US)
E01B 27/04 (2013.01 - EP US); **E01B 27/102** (2013.01 - EP US)

Citation (search report)
See references of WO 9417245A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
US 5456181 A 19951010; AT E155183 T1 19970715; AT E160400 T1 19971215; AU 5473394 A 19940804; AU 5687294 A 19940815; AU 661421 B2 19950720; AU 672467 B2 19961003; CA 2114490 A1 19940730; CA 2114490 C 20040629; CA 2133102 A1 19940730; CA 2133102 C 20050705; CN 1064097 C 20010404; CN 1064422 C 20010411; CN 1095439 A 19941123; CN 1101787 A 19950419; CZ 232594 A3 19950118; CZ 279014 B6 19941116; CZ 286379 B6 20000315; CZ 8494 A3 19940713; DE 59306881 D1 19970814; DE 59404609 D1 19980102; EP 0608679 A1 19940803; EP 0608679 B1 19970709; EP 0635082 A1 19950125; EP 0635082 B1 19971119; ES 2106313 T3 19971101; ES 2111899 T3 19980316; FI 944258 A0 19940914; FI 944258 A 19940914; HU 215003 B 19980828; HU 216127 B 19990428; HU 9400234 D0 19940530; HU 9402769 D0 19941228; HU T66389 A 19941128; HU T71034 A 19951128; JP 3162399 B2 20010425; JP 3162566 B2 20010508; JP H06240609 A 19940830; JP H07505689 A 19950622; NO 303461 B1 19980713; NO 943569 D0 19940926; NO 943569 L 19940926; PL 302025 A1 19940808; PL 305432 A1 19950109; PL 56602 Y1 19981130; PL 56805 Y1 19990129; RU 2087610 C1 19970820; RU 2087611 C1 19970820; RU 94041214 A 19960710; SK 118394 A3 19950208; SK 280431 B6 20000214; SK 282321 B6 20020107; SK 6794 A3 19940810; US 5611403 A 19970318; WO 9417245 A1 19940804

DOCDB simple family (application)
US 18429194 A 19940121; AT 93890250 T 19931222; AT 9400001 W 19940105; AT 94902530 T 19940105; AU 5473394 A 19940128; AU 5687294 A 19940105; CA 2114490 A 19940128; CA 2133102 A 19940105; CN 94101134 A 19940128; CN 94190038 A 19940105; CZ 232594 A 19940105; CZ 8494 A 19940114; DE 59306881 T 19931222; DE 59404609 T 19940105; EP 93890250 A 19931222; EP 94902530 A 19940105; ES 93890250 T 19931222; ES 94902530 T 19940105; FI 944258 A 19940914; HU 9400234 A 19940127; HU 9402769 A 19940105; JP 51647894 A 19940105; JP 687594 A 19940126; NO 943569 A 19940926; PL 10735094 U 19940126; PL 10792994 U 19940105; PL 30202594 A 19940126; PL 30543294 A 19940105; RU 94002587 A 19940126; RU 94041214 A 19940927; SK 118394 A 19940105; SK 6794 A 19940120; US 31321194 A 19941020