

Title (en)

Excavating chain for track maintenance machine

Title (de)

Räumkette für eine Gleisbaumaschine

Title (fr)

Chaîne d'excavation pour une machine d'entretien d'une voie ferrée

Publication

EP 1247902 A3 20030820 (DE)

Application

EP 02450037 A 20020227

Priority

AT 2432001 U 20010402

Abstract (en)

[origin: US2002139016A1] A clearing chain is mounted on a mobile track maintenance machine for excavating ballast material from a track bed. The chain is composed of shovel-type clearing members for gathering the ballast and intermediate chain elements positioned between the adjacent clearing members and connected thereto by means of chain joints, thus forming an endless chain. Each intermediate chain element comprises two chain joints spaced from one another in the longitudinal direction of the clearing chain. The chain joints are designed for receiving a hinge pin articulatedly mounted in the joint and releasably fastened to the clearing member.

IPC 1-7

E01B 27/04; **E01B 27/10**

IPC 8 full level

E01B 27/10 (2006.01); **B61D 15/00** (2006.01); **B65G 19/18** (2006.01); **E01B 27/04** (2006.01); **E02F 3/08** (2006.01)

CPC (source: EP US)

E01B 27/04 (2013.01 - EP US); **E01B 2203/024** (2013.01 - EP US)

Citation (search report)

- [DXY] US 4614238 A 19860930 - THEURER JOSEF [AT], et al
- [XY] US 3968995 A 19760713 - ARENTZEN EINAR M
- [XA] US 2594991 A 19520429 - PROTZELLER HARRY W
- [X] US 1020296 A 19120312 - LYBACK PETER J [US]
- [X] CH 314241 A 19560615 - SCHEUCHZER FILS AUGUSTE [CH]

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US 2002139016 A1 20021003; **US 6698115 B2 20040302**; AT 4370 U2 20010625; AT 4370 U3 20020325; AT E319880 T1 20060315; AU 2932702 A 20021003; AU 784772 B2 20060615; CN 1201051 C 20050511; CN 1379155 A 20021113; DE 50206016 D1 20060504; DK 1247902 T3 20060522; EP 1247902 A2 20021009; EP 1247902 A3 20030820; EP 1247902 B1 20060308; ES 2256438 T3 20060716; JP 2002339301 A 20021127; JP 3904952 B2 20070411; PL 210485 B1 20120131; PL 353080 A1 20021007; RU 2229549 C2 20040527

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US 10308302 A 20020321; AT 02450037 T 20020227; AT 2432001 U 20010402; AU 2932702 A 20020328; CN 02106658 A 20020305; DE 50206016 T 20020227; DK 02450037 T 20020227; EP 02450037 A 20020227; ES 02450037 T 20020227; JP 2002066990 A 20020312; PL 35308002 A 20020328; RU 2002107911 A 20020329