

Title (en)

Excavating chain for removing ballast

Title (de)

Räumkette zum Entfernen von Schotter

Title (fr)

Chaîne à fonction d'engrènement

Publication

EP 1387010 A1 20040204 (DE)

Application

EP 03450167 A 20030709

Priority

AT 5192002 U 20020802

Abstract (en)

Raking chain (1) comprises chain links (9) joined together to form a continuous chain, dragging elements (10) fixed to the chain links for removing ballast under a track, and cover plates (11) positioned between the dragging elements and covering the chain links. A clay-compacting element (13) arranged between two adjacent dragging elements and extending over two adjacent cover plates is fixed to only one of the cover plates. Preferred Features: The clay-compacting element is removably fixed to the cover plate.

Abstract (de)

Eine Räumkette (1) besteht aus Kettengliedern (9) die miteinander zu einer endlosen Kette verbunden sind. An den Kettengliedern (9) sind Mitnahmeorgane (10) zur Entfernung von unterhalb eines Gleises befindlichem Schotter sowie Abdeckplatten (11) befestigt. Zwischen zwei benachbarten Mitnahmeorganen (10) ist ein Lehmabdrückorgan (13) angeordnet. Dieses erstreckt sich über zwei benachbarte Abdeckplatten (11), ist aber lediglich an einer der beiden Abdeckplatten (11) befestigt. <IMAGE>

IPC 1-7

E02D 27/04; **E01B 27/04**

IPC 8 full level

B65G 19/18 (2006.01); **B65G 45/10** (2006.01); **E01B 27/04** (2006.01); **E02D 27/04** (2006.01); **E02F 3/08** (2006.01); **E02F 5/06** (2006.01)

CPC (source: EP)

E01B 27/04 (2013.01)

Citation (search report)

- [DA] US 4614238 A 19860930 - THEURER JOSEF [AT], et al
- [A] US 2594990 A 19520429 - PROTZELLER HARRY W
- [A] CH 314241 A 19560615 - SCHEUCHZER FILS AUGUSTE [CH]
- [A] US 5694708 A 19971209 - THEURER JOSEF ING [AT], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05 3 May 2002 (2002-05-03)

Cited by

FR3101892A1; EP2631361A3; CN110725167A; CN104163332A; CN108637670A; FR3101891A1; WO2021074247A1; WO2021074242A1

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DOCDB simple family (application)

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