Title (en)

Machine for removing sleepers from a track

Title (de)

Maschine zur Aufnahme von Schwellen eines Gleises

Title (fr)

Machine pour enlever des traverses d'une voie ferrée

Publication

EP 1382746 A3 20041006 (DE)

Application

EP 03450151 A 20030620

Priority

AT 4752002 U 20020717

Abstract (en)

[origin: US2004003748A1] A machine picks up ties from a ballast bed of a track while advancing continuously in an operating direction. A machine frame carries a tie transport unit onto which a tie pick-up device transports the ties. The pick-up device has tie skids immersed in the ballast bed for supporting the ties to be lifted. The tie skids are extended backward by a tie sliding track on which the underside of the ties is supported and the ties are slid to the tie transport unit. The tie sliding track extends in the longitudinal direction and it has a transfer end at which the ties are transferred to a receiving end of the tie transport unit. An endless transporting chain with tie engaging members shifts the ties from the ballast bed to the receiving end of the tie transport unit. The transporting chain has a lower deflection end that lies ahead of its upper deflection end and it extends along a reference line that encloses an acute angle with the ballast bed.

IPC 1-7

E01B 29/06

IPC 8 full level

E01B 29/10 (2006.01); **E01B 27/00** (2006.01); **E01B 27/06** (2006.01); **E01B 29/06** (2006.01); **E01B 29/09** (2006.01)

CPC (source: EP US)

E01B 29/06 (2013.01 - EP US); **E01B 29/09** (2013.01 - EP US)

Citation (search report)

- [X] DE 1240909 B 19670524 - PLASSER BAHNBAUMASCH FRANZ
- [A] US 4184431 A 19800122 - GOEL PIERRE [CH]
- [A] US 4606274 A 19860819 - CICIN-SAIN IVO [CH], et al

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Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2004003748 A1 20040108; **US 6698358 B2 20040302**; AT 5708 U2 20021025; AT 5708 U3 20030925; AT E411426 T1 20081015; AU 2003213523 A1 20040205; AU 2003213523 B2 20080403; CA 2435441 A1 20040117; CA 2435441 C 20061205; CN 1232700 C 20051221; CN 1477266 A 20040225; DE 50310638 D1 20081127; DK 1382746 T3 20090302; EP 1382746 A2 20040121; EP 1382746 A3 20041006; EP 1382746 B1 20081015; ES 2315475 T3 20090401; JP 2004052545 A 20040219; JP 4328147 B2 20090909; PL 361125 A1 20040126; RU 2003121298 A 20050110; RU 2003121340 A 20050110; RU 2249643 C1 20050410; RU 2256022 C2 20050710; UA 80089 C2 20070827

DOCDB simple family (application)

US 46190603 A 20030613; AT 03450151 T 20030620; AT 4752002 U 20020717; AU 2003213523 A 20030716; CA 2435441 A 20030716; CN 03178424 A 20030716; DE 50310638 T 20030620; DK 03450151 T 20030620; EP 03450151 A 20030620; ES 03450151 T 20030620; JP 2003275459 A 20030716; PL 36112503 A 20030707; RU 2003121298 A 20030715; RU 2003121340 A 20030715; UA 2003076685 A 20030715