

Title (en)
RAILROAD SPIKE REMOVER

Title (de)
EISENBHNSCHWELLENNAGELENTFERNER

Title (fr)
ÉLIMINATEUR DE CRAMPON DE RAIL

Publication
EP 3677725 A1 20200708 (EN)

Application
EP 20150387 A 20200106

Priority
• US 201962788925 P 20190106
• US 202016734125 A 20200103

Abstract (en)
A portable railroad spike remover (500) comprises a housing (502), a drive shaft and a claw assembly extractor (540) that is shaped to engage and secure a railroad spike previously installed into a rail tie. The claw assembly extractor (540) includes a pair of jaw members that are pivotally connected to each other by a pivoting pin and a rotating pin, wherein the claw assembly extractor (540) is connected to a mounting flange. Each jaw member may include a lower end configured to contact and secure a railroad spike and a pair of upper members interlocked with each other and pivotally connected to a clevis fastener connected with the rotating pin. When the drive shaft is rotated, the claw assembly extractor (540) and the mounting flange may move inside the main housing (502) in a vertical direction to extract the railroad spike from the rail tie.

IPC 8 full level
E01B 29/26 (2006.01); **B25C 11/00** (2006.01)

CPC (source: EP)
B25C 11/00 (2013.01); **E01B 29/26** (2013.01)

Citation (applicant)
• US 202016734125 A 20200103
• US 201962788925 P 20190106
• US 201615175900 A 20160607

Citation (search report)
• [A] EP 3255207 A1 20171213 - RAILSERVE INC [US]
• [A] EP 1041203 A1 20001004 - FRAMATOME CONNECTORS INT [FR]
• [A] US 6113073 A 20000905 - LEFAVOUR JOHN DAVID [US], et al
• [A] DE 520526 C 19310312 - INGERSOLL RAND CO

Cited by
EP4053339A3; DE102021204712A1; WO2022187237A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3677725 A1 20200708; EP 3677725 B1 20221005; AU 2020200080 A1 20200723; AU 2021245248 A1 20211104;
AU 2021245248 B2 20240201; AU 2024202816 A1 20240516; CA 3066558 A1 20200706; CA 3066558 C 20220705; EP 4215672 A1 20230726

DOCDB simple family (application)
EP 20150387 A 20200106; AU 2020200080 A 20200106; AU 2021245248 A 20211008; AU 2024202816 A 20240430; CA 3066558 A 20200106;
EP 22195963 A 20200106