

Title (en)
DEVICE FOR SECURING RAILWAY LINES

Title (de)
VORRICHTUNG ZUR SICHERUNG VON BAHNSTRECKEN

Title (fr)
DISPOSITIF DE FIXATION DE VOIES FERRÉES

Publication
EP 2504489 A4 20140521 (EN)

Application
EP 10833625 A 20100920

Priority
• NO 20093434 A 20091127
• NO 2010000342 W 20100920

Abstract (en)
[origin: WO2011065834A1] The device (20, 30) for securing railway tracks, which is formed by railway sleepers (11) to which parallel rails (12) are placed, on which track running vehicles such as trains, city light rails, trams, etc., traffic. The device (20, 30) is designed to prevent animals or humans from loitering on the tracks. The device (20, 30) includes elevations (21) which stretch between the rails (12). The elevations (21) are placed permanently on or integrated into the railway sleepers (11, 20), or the elevations (21) are placed between the conductor rails (22) that are attached to the sleepers (11, 20). The elevations (21) are placed at reciprocal distances and form elevations on the tracks which make it uncomfortable for humans and animals to walk on them.

IPC 8 full level
E01B 17/00 (2006.01); **A01K 3/00** (2006.01); **E01B 15/00** (2006.01)

CPC (source: EP US)
A01M 29/30 (2013.01 - EP US); **E01B 17/00** (2013.01 - EP US)

Citation (search report)
• [X] US 664042 A 19001218 - HILLYER WILLIAM H [US]
• [X] US 412310 A 18891008

Citation (examination)
• US 2725958 A 19551206 - PORTER GEORGE S, et al
• See also references of WO 2011065834A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011065834 A1 20110603; **WO 2011065834 A9 20120119**; AU 2010325240 A1 20120531; AU 2016200805 A1 20160225; CA 2779171 A1 20110603; CN 102666992 A 20120912; EP 2504489 A1 20121003; EP 2504489 A4 20140521; NO 20093434 A1 20110530; RU 2012121555 A 20140110; RU 2540185 C2 20150210; US 2012211711 A1 20120823

DOCDB simple family (application)
NO 2010000342 W 20100920; AU 2010325240 A 20100920; AU 2016200805 A 20160208; CA 2779171 A 20100920; CN 201080051888 A 20100920; EP 10833625 A 20100920; NO 20093434 A 20091127; RU 2012121555 A 20100920; US 201013504782 A 20100920