

Title (en)

Hand tool for inserting and extracting rail fastenings

Title (de)

Handwerkzeuggerät zum Einstecken und Ausziehen von Schienenbefestigungen

Title (fr)

Outil manuel pour l'insertion et l'extraction d'attaches de rails

Publication

**EP 1496157 B1 20060802 (FR)**

Application

**EP 04356116 A 20040630**

Priority

FR 0308336 A 20030708

Abstract (en)

[origin: EP1496157A1] The device has a turning part (4) mounted on the top of a main body (3) and a head (4b) formed on top of the turning part. An insertion cam (9) is mounted under the body for cooperating with rail fastenings. The head or the turning part is positioned angularly independent from the usage position of the cam to place a push bar (27) at the interior of a safety zone.

IPC 8 full level

**E01B 29/24** (2006.01)

CPC (source: EP US)

**E01B 29/24** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 29/5383** (2015.01 - EP US); **Y10T 29/53843** (2015.01 - EP US)

Cited by

CN106594093A; CN106270207A; US9145648B2; WO2018107327A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1496157 A1 20050112**; **EP 1496157 B1 20060802**; AT E335105 T1 20060815; AU 2004203107 A1 20050127; AU 2004203107 B2 20091105; AU 2004203107 B8 20091203; DE 602004001721 D1 20060914; FR 2857384 A1 20050114; FR 2857384 B1 20050930; US 2005028343 A1 20050210; US 7076851 B2 20060718

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**EP 04356116 A 20040630**; AT 04356116 T 20040630; AU 2004203107 A 20040707; DE 602004001721 T 20040630; FR 0308336 A 20030708; US 88500004 A 20040707