

Title (en)
Profile rail made of cold formed steel

Title (de)
Profilschiene aus kaltgeformtem Stahl

Title (fr)
Rail de profilé en acier formé à froid

Publication
EP 1881122 B1 20110119 (DE)

Application
EP 07112747 A 20070719

Priority
DE 102006033456 A 20060719

Abstract (en)
[origin: EP1881122A2] The rail (1) has a screwing channel (2) for engaging self-cutting screws and including two channel flanks (3a, 3b) that are laid opposite to each other. One of the flanks is partially provided with a parallel groove structure (4) for perpendicularly guiding the screw during a screwing operation. The structure transversely extends to a longitudinal direction of the rail, and is formed by coining in the screwing channel. The structure includes grooves, where a cross section of each groove has a basic form of an equilateral triangle or trapezoid.

IPC 8 full level
E04B 2/96 (2006.01)

CPC (source: EP)
E04B 2/967 (2013.01); **E04C 3/07** (2013.01); **E04C 2003/0473** (2013.01); **E04F 13/0803** (2013.01)

Cited by
WO2017083991A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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