

Title (en)
ANCHOR RAIL AND METHOD FOR PRODUCING AN ANCHOR RAIL

Title (de)
ANKERSCHIENE UND VERFAHREN ZUR HERSTELLUNG EINER ANKERSCHIENE

Title (fr)
RAIL D'ANCRAGE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 4093924 A1 20221130 (DE)

Application
EP 21700515 A 20210111

Priority
• DE 102020101478 A 20200122
• EP 2021050328 W 20210111

Abstract (en)
[origin: WO2021148259A1] For the purpose of anchoring an anchor rail (1) in a stable manner in concrete, the invention proposes that an anchor (3) of which the anchor stem (8) has a larger diameter than an anchor hole (6) of a C-profile rail (2) of the anchor rail (1) should be fitted through the anchor hole (6) from the inside, so that the anchor stem (8) widens the anchor hole (6) and retains the C-profile rail (2) with clamping action on the anchor stem (8). An anchor head (9) designed in the form of a countersunk head bears against the inside of an upward slope (17) of the C-profile rail (2), and knurling (13) on the outside of the C-profile rail (2) retains the anchor (3) in addition to the clamping fit.

IPC 8 full level
E04B 1/41 (2006.01)

CPC (source: EP US)
E04B 1/4107 (2013.01 - EP US)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020101478 A1 20210722; CN 114945724 A 20220826; EP 4093924 A1 20221130; EP 4093924 B1 20240626;
US 2023052828 A1 20230216; WO 2021148259 A1 20210729

DOCDB simple family (application)
DE 102020101478 A 20200122; CN 202180010643 A 20210111; EP 2021050328 W 20210111; EP 21700515 A 20210111;
US 202117793385 A 20210111