

Title (en)

CASTING PROCESS OF REINFORCED CONCRETE RAILWAY TIES WITH EMBEDDED ANCHOR BOLTS

Title (de)

GIESSVERFAHREN FÜR STAHLBETONSCHELLEN MIT EINGEBETTETEN ANKERBOLZEN

Title (fr)

PROCÉDÉ DE COULÉE DE TRAVERSES DE VOIE FERRÉE EN BÉTON ARMÉ AVEC DES BOULONS D'ANCRAGE INTÉGRÉS

Publication

EP 3753697 A1 20201223 (EN)

Application

EP 20174746 A 20200514

Priority

IT 201900009840 A 20190621

Abstract (en)

Casting process of reinforced concrete railway ties, wherein one or two pairs of anchor bolts are embedded in the railway ties while the concrete sets in the formwork, each one of said anchor bolt being suitable for being coupled with a fixing plate for the rails that are supported by the railway tie.

IPC 8 full level

B28B 23/00 (2006.01); **E01B 3/28** (2006.01)

CPC (source: EP)

B28B 23/005 (2013.01); **B28B 23/0056** (2013.01); **E01B 3/28** (2013.01)

Citation (applicant)

- KR 100667584 B1 20070111 - SAM AN CORP [KR]
- JP H071131 U 19950110
- FR 851197 A 19400104

Citation (search report)

- [A] JP H0711311 U 19950221
- [A] FR 851197 A 19400104
- [A] US 3471118 A 19691007 - BORMANN HERMANN, et al
- [A] KR 100667584 B1 20070111 - SAM AN CORP [KR]

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 3753697 A1 20201223; **EP 3753697 B1 20230628**; ES 2964537 T3 20240408; IT 201900009840 A1 20201221

DOCDB simple family (application)

EP 20174746 A 20200514; ES 20174746 T 20200514; IT 201900009840 A 20190621