

Title (en)

FROG WITH TRIMMED CASTING OF A MONO-BLOCK

Title (de)

HERZSTÜCK MIT GETRIMMTEM GIESSEN EINES MONOBLOCKS

Title (fr)

C UR DE CROISEMENT AVEC PIÈCE COULÉE DÉCOUPÉE D'UN MONO-BLOC

Publication

EP 3507419 A4 20200603 (EN)

Application

EP 17830519 A 20170720

Priority

- CZ 201632600 U 20160721
- CZ 2017000047 W 20170720

Abstract (en)

[origin: WO2018014887A1] A frog with trimmed cast of the mono-block (1) non-detachably connected on one side of the frog in front of the cast beginning (2) with two pieces of connection rails (3) and - on the other side - with non-detachably connected tip rails (4), while the trimmed cast of the mono-block (1) is non-detachably connected in the place of the widest part of the mono-block (1) cast (5) with tip rails (4), while the double-sided wing rails (7) making the groove run-outs (6) from the mono-block cast (1) are detachably connected with the part of the mono-block cast (1) by high-strength screws (8) and with the part of rails (4) by high-strength screws (8.1) via inserts (9), characterised by the fact that in the area of wing rails (7) connection (10) the footings (11) of the mono-block cast (1) are extended by inner smooth transitions (17) with the length „c= minimally 100 mm" from the inner side wall (1.5) of the mono-block cast (1) with the dimension of „a= minimally 35 mm" and outer smooth transitions (16) with the length „c= minimally 100 mm" from the outer side wall (12) of the mono-block cast (1) with the dimension „b= minimally 70 mm" while preserving the footing thickness of "d= minimally 14mm" in the place of connection (10).

IPC 8 full level

E01B 7/12 (2006.01)

CPC (source: EP)

E01B 7/12 (2013.01)

Citation (search report)

- [AD] CZ 5698 U1 19970211 - DT VYHYBKARNA A MOSTARNA A S [CZ]
- [A] EP 0363349 A2 19900411 - VOEST ALPINE MASCHINENBAU [AT]
- [A] CN 201924243 U 20110810 - CHINA RAILWAY BAOJI BRIDGE GROUP CO LTD
- [A] US 896154 A 19080818 - REINOEHL CHARLES W [US], et al
- See references of WO 2018014887A1

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)

WO 2018014887 A1 20180125; AU 2017300466 A1 20190124; AU 2017300466 B2 20220825; CZ 30786 U1 20170627; EP 3507419 A1 20190710; EP 3507419 A4 20200603

DOCDB simple family (application)

CZ 2017000047 W 20170720; AU 2017300466 A 20170720; CZ 201632600 U 20160721; EP 17830519 A 20170720