

Title (en)

SCOUR PREVENTIVE APPARATUS FOR PIER FOUNDATION

Title (de)

VORRICHTUNG ZUR VERHINDERUNG VON ABSCHUEERN FÜR EINE PFEILERGRÜNDUNG

Title (fr)

APPAREIL PERMETTANT DE SE PASSER D'AFFOUILLEMENT POUR DES FONDATIONS SUR PILES

Publication

EP 2270283 A4 20130320 (EN)

Application

EP 09719723 A 20090312

Priority

- KR 2009001241 W 20090312
- KR 20080024013 A 20080314

Abstract (en)

[origin: EP2270283A2] A scour preventive apparatus for a pier foundation according to an exemplary embodiment of the present invention is the scour preventive apparatus for a pier foundation supporting load of the bridge, and may include a cover plate covering the pier foundation and formed of a plurality of holes, a first flow guide plate having a side connected to a surface of the cover plate, disposed apart from the pier foundation by a predetermined distance, and formed of a plurality of first flow holes, a second flow guide plate having a side connected to the surface of the cover plate, disposed apart from the pier foundation by the predetermined distance, and formed of a plurality of second flow holes, and a blocking plate connecting the first flow guide plate with the second flow guide plate and blocking a flow of fluid, wherein the first flow guide plate and the second flow guide plate are symmetrical to each other with respect to the pier foundation.

IPC 8 full level

E01D 19/02 (2006.01); **E02B 17/00** (2006.01)

CPC (source: EP KR US)

E01D 19/02 (2013.01 - EP KR US); **E01D 22/00** (2013.01 - KR); **E02B 1/00** (2013.01 - EP US); **E02B 17/0017** (2013.01 - EP US); **E02D 5/60** (2013.01 - EP US); **E02D 19/04** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2009113817A2

Cited by

NL2017059B1; WO2018004340A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2270283 A2 20110105; EP 2270283 A4 20130320; CN 101970760 A 20110209; CN 101970760 B 20120321; JP 2011516756 A 20110526; JP 5022500 B2 20120912; KR 100982023 B1 20100913; KR 20090098554 A 20090917; US 2011016644 A1 20110127; WO 2009113817 A2 20090917; WO 2009113817 A3 20100114

DOCDB simple family (application)

EP 09719723 A 20090312; CN 200980109044 A 20090312; JP 2010550596 A 20090312; KR 20080024013 A 20080314; KR 2009001241 W 20090312; US 92250709 A 20090914