

Title (en)
FOUNDATION OF AN OFFSHORE STRUCTURE

Title (de)
GRÜNDUNG EINES OFFSHORE-BAUWERKS

Title (fr)
FONDATION D'UNE STRUCTURE EN MER

Publication
EP 3207186 A1 20170823 (DE)

Application
EP 15778340 A 20151012

Priority
• DE 102014220782 A 20141014
• EP 2015073595 W 20151012

Abstract (en)
[origin: WO2016059007A1] The invention relates to a foundation system for the foundation of an offshore structure (1), comprising a monopile (10) with an anchor portion (11) which can be anchored into the ocean floor (M) and a connection portion (12) which is arranged at the opposite end. The foundation system also comprises a platform structure (3) which can be connected directly to the connection portion (12) of the monopile (10) or indirectly via a transition piece and which can be arranged above the water surface. The foundation system according to the invention is characterized in that the foundation system comprises at least two stabilizing devices (20, 21, 22) each of which can be connected directly to the platform structure (3) or indirectly via the transition piece and which can be brought into contact with the ocean floor (M) such that pulling and/or pushing forces can be transmitted between the ocean floor (M) and the platform structure (3). In the installed state of the foundation system, securing points of the stabilizing devices (20, 21, 22) on the platform structure (3) or on the transition piece together with the connection portion (12) of the monopile (10) define a plane with a horizontal component of extension.

IPC 8 full level
E02D 27/42 (2006.01)

CPC (source: EP US)
B63B 21/26 (2013.01 - US); **B63B 21/50** (2013.01 - US); **E02D 5/24** (2013.01 - EP US); **E02D 5/32** (2013.01 - EP US);
E02D 5/40 (2013.01 - EP US); **E02D 27/42** (2013.01 - EP US); **E02D 27/425** (2013.01 - EP US); **E02D 27/525** (2013.01 - EP);
B63B 35/44 (2013.01 - US); **E02B 2017/0065** (2013.01 - EP US); **E02B 2017/0091** (2013.01 - EP US); **E02D 2300/0018** (2013.01 - EP US);
E02D 2600/20 (2013.01 - EP US)

Citation (search report)
See references of WO 2016059007A1

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)
DE 102014220782 A1 20160414; EP 3207186 A1 20170823; EP 3207186 B1 20210616; US 2017233971 A1 20170817;
US 9976273 B2 20180522; WO 2016059007 A1 20160421

DOCDB simple family (application)
DE 102014220782 A 20141014; EP 15778340 A 20151012; EP 2015073595 W 20151012; US 201515519131 A 20151012