

Title (en)

JOINT STRUCTURE OF STEEL-PIPE PILE, AND STEEL-PIPE PILE

Title (de)

VERBINDUNGSSTRUKTUR VON STAHLROHRSTAPEL UND STAHLROHRSTAPEL

Title (fr)

STRUCTURE DE JOINT D'UN PIEU TUBULAIRE EN ACIER, ET PIEU TUBULAIRE EN ACIER

Publication

EP 2924169 A1 20150930 (EN)

Application

EP 13857558 A 20131114

Priority

- JP 2012255304 A 20121121
- JP 2013080748 W 20131114

Abstract (en)

A joint structure of a steel-pipe pile which connects a first steel-pipe pile and a second steel-pipe pile in series, includes an external fitting end portion which is an opening end of the first steel-pipe pile and a column shaped internal fitting end portion which configures a portion inserted into the external fitting end portion on one end of the second steel-pipe pile. The external fitting end portion includes a plurality of external fitting convex portions which protrude from an inner circumferential surface thereof toward an inner side in a radial direction; an external fitting groove portion which is formed between the external fitting convex portions; and an external fitting engagement groove which is formed at a position of the inner side in the axial direction from the external fitting convex portion and the external fitting groove portion. The internal fitting end portion includes a plurality of internal fitting convex portions which protrude from an outer circumferential surface thereof toward an outer side in a radial direction.

IPC 8 full level

E02D 5/52 (2006.01); **E02D 5/28** (2006.01)

CPC (source: CN EP)

E02D 5/285 (2013.01 - CN EP); **E02D 5/526** (2013.01 - CN EP); **E02D 2200/16** (2013.01 - CN); **E02D 2600/20** (2013.01 - CN)

Cited by

JP2019090233A; TWI602971B

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 2924169 A1 20150930; **EP 2924169 A4 20160727**; **EP 2924169 B1 20170621**; CN 104508210 A 20150408; CN 104508210 B 20161214; HK 1207133 A1 20160122; IN 11226DEN2014 A 20151002; JP 5811289 B2 20151111; JP WO2014080824 A1 20170105; SG 11201408621V A 20150129; TW 201435224 A 20140916; TW I541448 B 20160711; WO 2014080824 A1 20140530

DOCDB simple family (application)

EP 13857558 A 20131114; CN 201380040518 A 20131114; HK 15107506 A 20150805; IN 11226DEN2014 A 20141230; JP 2013080748 W 20131114; JP 2014548535 A 20131114; SG 11201408621V A 20131114; TW 102141725 A 20131115