

Title (en)

PILE JOINT, PILE LINK STRUCTURE, AND PILE LINK METHOD

Title (de)

PFAHLVERBINDUNG, PFAHLVERBINDUNGSSTRUKTUR UND PFAHLVERBINDUNGSVERFAHREN

Title (fr)

JOINT DE PIEU, STRUCTURE DE LIAISON DE PIEUX ET PROCÉDÉ DE LIAISON DE PIEUX

Publication

**EP 3926098 A1 20211222 (EN)**

Application

**EP 20755320 A 20200212**

Priority

- JP 2019022622 A 20190212
- JP 2020005338 W 20200212

Abstract (en)

Provided are a pile joint, a pile coupling structure, and a pile coupling method that allow firm uniting of piles to be coupled. A joint (10) for coupling two piles (12) comprises: a tubular body (16) into which each pile (12) provided with a key (14) on a periphery thereof is inserted through an end (16A) of the body (16); and a fitting portion (22) formed on the body (16) so as to be fitted to the key (14) by the insertion and rotation of the pile (12). The fitting portion (22) is formed with: a tapered shape having a surface (22A) that is inclined so as to become distant from the end (16A) of the body (16) as the surface (22A) extends in the direction of rotation of the pile (12); or a wedge shape for fitting between a projection and a pile.

IPC 8 full level

**E02D 5/24** (2006.01)

CPC (source: EP)

**E02D 5/24** (2013.01); **E02D 5/285** (2013.01); **E02D 5/523** (2013.01); **E02D 5/526** (2013.01); **E02D 7/20** (2013.01); **E02D 7/26** (2013.01)

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 3926098 A1 20211222**; **EP 3926098 A4 20230419**; **EP 3926098 B1 20240529**; **EP 3926098 C0 20240529**; AU 2020220777 A1 20210805; AU 2020220777 B2 20221020; CN 113490778 A 20211008; JP 2020133391 A 20200831; JP 6854939 B2 20210407; SG 11202108809Q A 20210929

DOCDB simple family (application)

**EP 20755320 A 20200212**; AU 2020220777 A 20200212; CN 202080013124 A 20200212; JP 2020021278 A 20200212; SG 11202108809Q A 20200212