

Title (en)
CYLINDRICAL PILE AND CYLINDRICAL PILE EXTENSION ELEMENT

Title (de)
ZYLINDRISCHER PFAHL UND AUSWEITUNGSELEMENT DES ZYLINDRISCHEN PFAHLS

Title (fr)
PIEU CYLINDRIQUE ET UN ÉLÉMENT D'EXTENSION DE PIEU CYLINDRIQUE

Publication
EP 3048202 A1 20160727 (EN)

Application
EP 16150613 A 20160108

Priority
SE 1550072 A 20150123

Abstract (en)
Cylindrical pile element (10) with a longitudinal axis (V), for use as a reinforcing or supporting construction element, having a cross-sectional cylinder diameter of at least 70 mm, being arranged to be lengthwise extendable using a cylindrical sleeve element (20), using a male pile element thread comprised in a pin end (11) of the said pile element and arranged to engage with a corresponding female sleeve element thread comprised in the said sleeve element at a respective box end (21) of the sleeve element, which pile element thread is generally tapered. The invention is characterised in that the side flank of the pile element thread facing towards the pin end is inclined between 15° and 25° in relation to a plane perpendicular to the longitudinal axis, and in that the side flank facing away from the pin end is inclined between 6° and 8° in relation to said plane.

IPC 8 full level
E02D 5/52 (2006.01); **E02D 5/28** (2006.01)

CPC (source: EP SE)
E02D 5/285 (2013.01 - EP SE); **E02D 5/523** (2013.01 - EP); **E02D 5/526** (2013.01 - SE)

Citation (applicant)

- EP 1010815 B1 20030521 - RAUTARUUKKI OYJ [FI]
- EP 2256251 A2 20101201 - RAUTARUUKKI OYJ [FI]
- US 4444421 A 19840424 - AHLSTONE ARTHUR G [US]
- SE 523782 C2 20040518 - HARDAB AB [SE]

Citation (search report)

- [AD] EP 1010815 B1 20030521 - RAUTARUUKKI OYJ [FI]
- [AD] US 4444421 A 19840424 - AHLSTONE ARTHUR G [US]

Cited by
JP2018003431A

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 3048202 A1 20160727; **EP 3048202 B1 20170816**; SE 1550072 A1 20160712; SE 538465 C2 20160712

DOCDB simple family (application)
EP 16150613 A 20160108; SE 1550072 A 20150123