

Title (en)
A FOUNDATION AND A METHOD OF ESTABLISHING PILE FOUNDATION

Title (de)
FUNDAMENT UND VERFAHREN ZUR HERSTELLUNG EINES PFAHLFUNDAMENTS

Title (fr)
FONDATION ET PROCÉDÉ D'ÉTABLISSEMENT D'UN PIEU DE FONDATION

Publication
EP 3447195 A1 20190227 (EN)

Application
EP 17187707 A 20170824

Priority
EP 17187707 A 20170824

Abstract (en)
A foundation (10) for an overhead line mast (12), comprising a reinforced concrete pile (20) including threaded bolt connectors (30), a number of gaskets (40) and a corresponding number of tightening nuts (50), wherein the reinforced concrete pile (20) defines an elongated structure having a first end part and a second end part, steel reinforcement elements extending between the first end part and the second end part and the threaded bolt connectors (30) are connected to the steel reinforcement elements of the reinforced concrete pile (20), wherein the tightening nuts (50) include an internal threaded portion complementing the threaded portion of the threaded bolt connectors (30), wherein the tightening nuts (50) are configured to be rotated relative to the threaded portion of the threaded bolt connectors (30) for allowing the gaskets (40) to be compressed towards the threaded bolt connectors (30), the inner tapered portion of the tightening nuts (50) and the planar abutment surface for providing sealing relative to the threaded bolt connectors (30) and the planar abutment surface.

IPC 8 full level
E02D 5/30 (2006.01); **E02D 27/42** (2006.01)

CPC (source: EP)
E02D 5/30 (2013.01); **E02D 27/42** (2013.01); **E02D 31/06** (2013.01); **E04H 12/2276** (2013.01)

Citation (search report)
• [A] PL 67224 Y1 20140630 - TORPOL SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ [PL]
• [A] DE 202012100412 U1 20121205 - INDUO GES ZUR VERWERTUNG VON SCHUTZRECHTEN MBH & CO KG [DE]

Cited by
CN106638935A; CN110587566A; EP4187018A1

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