

Title (en)

APPARATUS AND METHOD FOR STABILIZING A FOUNDATION OF A BUILDING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STABILISIERUNG EINES FUNDAMENTS EINES GEBÄUDES

Title (fr)

APPAREIL ET PROCÉDÉ PERMETTANT DE STABILISER UNE FONDATION D'UN BÂTIMENT

Publication

**EP 3351688 A1 20180725 (EN)**

Application

**EP 18152354 A 20180118**

Priority

NL 2018206 A 20170120

Abstract (en)

The invention relates to an apparatus and method for stabilizing a foundation of a building. The apparatus is adapted to be arranged within said building and comprises: a casing, attachable to the foundation of said building; a jack, attachable to said casing and arranged for pressing hollow pile segments through or adjacent to said casing vertically into the soil to form a substantially vertical hollow pile having a top end and a bottom end and comprising said pile segments; and a percussion device, adapted to be inserted vertically through said hollow pile segments of the pile to a level below the foundation, and adapted for exerting a downward percussive force on the soil at the bottom end of said hollow pile for loosening and/or breaking up said soil.

IPC 8 full level

**E02D 27/48** (2006.01)

CPC (source: EP)

**E02D 27/48** (2013.01)

Citation (applicant)

- US 4708528 A 19871124 - RIPPE DONDEVILLE M [US]
- US 1906136 A 19330425 - ALBERT DAHREN JOHAN
- US 4221157 A 19800909 - SCHMIDT PAUL

Citation (search report)

- [YDA] US 1906136 A 19330425 - ALBERT DAHREN JOHAN
- [YDA] US 4221157 A 19800909 - SCHMIDT PAUL
- [AD] US 4708528 A 19871124 - RIPPE DONDEVILLE M [US]
- [A] EP 0441172 A2 19910814 - ROEMER HELMUTH [DE]

Cited by

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Designated contracting state (EPC)

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