

Title (en)

PUMPING APPARATUS AND CORRESPONDING OPERATING METHOD

Title (de)

PUMPVORRICHTUNG UND ENTSPRECHENDES BETRIEBSVERFAHREN

Title (fr)

APPAREIL DE POMPAGE ET PROCÉDÉ DE FONCTIONNEMENT CORRESPONDANT

Publication

**EP 4269791 A1 20231101 (EN)**

Application

**EP 22425020 A 20220429**

Priority

EP 22425020 A 20220429

Abstract (en)

Pumping apparatus (10) for pumping concrete, or similar material, comprising at least one pumping unit (11) having both a first pumping cylinder (16) and a second pumping cylinder (17), and also a first pumping piston (21) and a second pumping piston (22) both mobile with a respectively alternating motion inside respective chambers (19, 20) present in the first cylinder (16) and in the second cylinder (17), respectively. The apparatus comprises a motor (31), preferably electric, to drive the first and second piston (21, 22) with an alternating motion by means of suitable movement means (26, 27).

IPC 8 full level

**F04B 15/02** (2006.01); **F04B 9/02** (2006.01); **F04B 17/03** (2006.01)

CPC (source: EP)

**F04B 15/023** (2013.01); **F04B 9/02** (2013.01); **F04B 17/03** (2013.01)

Citation (search report)

- [XAI] JP 2018071386 A 20180510 - FURUKAWA CO LTD
- [XAI] JP 2003193961 A 20030709 - TAIHEIYO KIKO KK
- [A] GB 1585482 A 19810304 - RELF D, et al

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

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