

Title (en)

WEAR RESISTANT CONCRETE FORMULATIONS AND METHODS FOR THEIR PREPARATION

Title (de)

VERSCHLEISSFESTE BETONFORMULIERUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FORMULATIONS DE BÉTON RÉSISTANT À L'USURE ET LEURS PROCÉDÉS DE PRÉPARATION

Publication

EP 3844122 A2 20210707 (EN)

Application

EP 19853955 A 20190903

Priority

- US 201862765597 P 20180901
- US 2019000043 W 20190903

Abstract (en)

[origin: WO2020046409A2] A method for the preparation of concretes with improved wear resistance. The method involves the use of colloidal silica, which is added to a concrete mixture after mixing, in conjunction with a concrete cutter, which is added to the concrete mixture after the addition of the colloidal silica.

IPC 8 full level

C04B 33/00 (2006.01)

CPC (source: EP KR)

C04B 14/06 (2013.01 - KR); **C04B 14/062** (2013.01 - KR); **C04B 22/002** (2013.01 - KR); **C04B 28/02** (2013.01 - EP KR); **C04B 40/0032** (2013.01 - KR); **C04B 2111/00068** (2013.01 - KR); **C04B 2111/2038** (2013.01 - EP KR); **C04B 2111/27** (2013.01 - EP KR)

C-Set (source: EP)

C04B 28/02 + C04B 14/06 + C04B 14/062 + C04B 22/002 + C04B 40/0032 + C04B 40/0046 + C04B 2103/40

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)

WO 2020046409 A2 20200305; WO 2020046409 A3 20200514; AU 2019330229 A1 20210318; BR 112021003754 A2 20210525; EP 3844122 A2 20210707; EP 3844122 A4 20220928; JP 2021536390 A 20211227; JP 7516385 B2 20240716; KR 20220004004 A 20220111

DOCDB simple family (application)

US 2019000043 W 20190903; AU 2019330229 A 20190903; BR 112021003754 A 20190903; EP 19853955 A 20190903; JP 2021537026 A 20190903; KR 20217009125 A 20190903