

Title (en)

METHOD FOR REDUCING OR AVOIDING ALKALI-AGGREGATE REACTION IN SET CONCRETE

Title (de)

VERFAHREN ZUR VERRINGERUNG ODER VERMEIDUNG DER ALKALI-KIESELSÄURE-REAKTION IM AUSGEHÄRTETEN BETON

Title (fr)

PROCÉDÉ POUR LA RÉDUCTION OU LA PRÉVENTION DE LA RÉACTION ALCALI-ACIDE SILICIQUE DANS DU BÉTON DURCI

Publication

EP 3947314 A1 20220209 (DE)

Application

EP 19715036 A 20190327

Priority

EP 2019057790 W 20190327

Abstract (en)

[origin: WO2020192916A1] The invention relates to a method for reducing or avoiding the alkali-aggregate reaction in set concrete by means of mass hydrophobization of the concrete by way of adding organosilicon compounds to the concrete mass prior to its setting.

IPC 8 full level

C04B 24/42 (2006.01); **C04B 28/02** (2006.01); **C04B 111/20** (2006.01)

CPC (source: EP KR US)

C04B 14/04 (2013.01 - KR); **C04B 14/041** (2013.01 - KR); **C04B 14/048** (2013.01 - KR); **C04B 14/06** (2013.01 - KR); **C04B 14/10** (2013.01 - KR); **C04B 14/108** (2013.01 - KR); **C04B 14/14** (2013.01 - KR); **C04B 14/22** (2013.01 - KR); **C04B 14/28** (2013.01 - KR); **C04B 24/42** (2013.01 - EP KR US); **C04B 28/02** (2013.01 - EP KR US); **C04B 2111/2023** (2013.01 - EP KR US)

C-Set (source: EP)

C04B 28/02 + **C04B 14/04** + **C04B 14/041** + **C04B 14/048** + **C04B 14/06** + **C04B 14/10** + **C04B 14/108** + **C04B 14/14** + **C04B 14/22** + **C04B 14/28** + **C04B 24/42** + **C04B 24/42**

Citation (search report)

See references of WO 2020192916A1

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 2020192916 A1 20201001; CN 113574031 A 20211029; CN 113574031 B 20230905; EP 3947314 A1 20220209; JP 2022528518 A 20220614; JP 7274600 B2 20230516; KR 102625642 B1 20240116; KR 20210132685 A 20211104; US 2022185734 A1 20220616

DOCDB simple family (application)

EP 2019057790 W 20190327; CN 201980093972 A 20190327; EP 19715036 A 20190327; JP 2021557143 A 20190327; KR 20217030402 A 20190327; US 201917598748 A 20190327