

Title (en)  
TEST METHOD FOR DETERMINING THE RISK POTENTIAL FOR AN ALKALI-SILICA REACTION IN MINERAL CONSTRUCTION MATERIALS

Title (de)  
PRÜFVERFAHREN ZUR BESTIMMUNG DES GEFÄHRDUNGSPOTENTIALS FÜR ALKALI-KIESELSÄURE-REAKTION IN MINERALISCHEN BAUSTOFFEN

Title (fr)  
PROCÉDÉ DE CONTRÔLE PERMETTANT DE DÉTERMINER LE POTENTIEL DE RISQUE POUR LA RÉACTION ALCALI-SILICE DANS DES MATÉRIAUX DE CONSTRUCTION MINÉRAUX

Publication  
**EP 3903101 A1 20211103 (DE)**

Application  
**EP 19832401 A 20191222**

Priority  
• DE 102018251789 A 20181228  
• EP 2019086885 W 20191222

Abstract (en)  
[origin: WO2020136152A1] The invention relates to a test method for determining the risk potential of an alkali-silica reaction in mineral construction materials such as concrete, for example, characterized by the following steps: a) examining (220) a sample (12) by means of Raman spectroscopy for providing a structural characterization (230) of the sample (12), b) comparing (240) the examination result to values (250) stored in a database, and c) using (260) the result of the comparison (240) for ascertaining (270) a risk potential for the concrete for an alkali-silica reaction.

IPC 8 full level  
**G01N 33/38** (2006.01); **G01N 21/65** (2006.01)

CPC (source: EP US)  
**G01N 21/65** (2013.01 - EP US); **G01N 33/383** (2013.01 - EP US); **G06Q 10/0635** (2013.01 - US); **G06Q 50/08** (2013.01 - US)

Citation (search report)  
See references of WO 2020136152A1

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 2020136152 A1 20200702**; CA 3124999 A1 20200702; DE 102018251789 A1 20200702; EP 3903101 A1 20211103; US 2021319377 A1 20211014

DOCDB simple family (application)  
**EP 2019086885 W 20191222**; CA 3124999 A 20191222; DE 102018251789 A 20181228; EP 19832401 A 20191222; US 202117358583 A 20210625