

Title (en)

METHOD FOR PREPARING PRECIPITATED SILICA

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FÄLLUNGSKIESELSÄURE

Title (fr)

PROCEDE DE PREPARATION DE SILICES PRECIPITEES

Publication

EP 2807118 A1 20141203 (FR)

Application

EP 13713364 A 20130123

Priority

- FR 1200212 A 20120125
- EP 2013051234 W 20130123

Abstract (en)

[origin: WO2013110655A1] The invention relates to a method for preparing precipitated silica in which: (i) a starter, having a pH of 2 to 5, is prepared; (ii) a silicate and acid are simultaneously added to the starter such that the pH of the reaction medium is between 2 and 5; (iii) a silicate is added until a pH of 7 to 10 is reached; (iv) a silicate and acid are simultaneously added such that the pH is between 7 and 10; (v) an acid is added until a pH of 2.5 to 5.3 is reached; and (vi) the reaction medium is placed in contact with an acid and silicate such that the pH is between 2.5 and 5.3, wherein the acid used in at least one of the steps of the method is a concentrated acid.

IPC 8 full level

C01B 33/193 (2006.01)

CPC (source: EP RU US)

C01B 33/128 (2013.01 - EP RU US); **C01B 33/193** (2013.01 - EP RU US)

Citation (search report)

See references of WO 2013110655A1

Citation (examination)

WO 2010022544 A1 20100304 - EVONIK DEGUSSA GMBH [DE], 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

DOCDB simple family (publication)

FR 2985991 A1 20130726; FR 2985991 B1 20141128; AU 2013211587 A1 20140807; BR 112014018028 A2 20170620; BR 112014018028 A8 20170711; CA 2862473 A1 20130801; CN 104066682 A 20140924; EP 2807118 A1 20141203; KR 20140116524 A 20141002; MX 2014009000 A 20150305; MX 354838 B 20180321; RU 2014134531 A 20160320; RU 2581407 C2 20160420; US 2015037235 A1 20150205; US 9695054 B2 20170704; WO 2013110655 A1 20130801

DOCDB simple family (application)

FR 1200212 A 20120125; AU 2013211587 A 20130123; BR 112014018028 A 20130123; CA 2862473 A 20130123; CN 201380006528 A 20130123; EP 13713364 A 20130123; EP 2013051234 W 20130123; KR 20147023224 A 20130123; MX 2014009000 A 20130123; RU 2014134531 A 20130123; US 201314373797 A 20130123