

Title (en)
BRØNSTED-ACID FLUOROALKYL PHOSPHONATES

Title (de)
BRØNSTED-SAURE FLUORALKYLPHOSPHONATE

Title (fr)
FLUOROALKYL PHOSPHONATES DE TYPE ACIDE DE BRØNSTED

Publication
EP 3350190 A1 20180725 (DE)

Application
EP 16759681 A 20160830

Priority
• EP 15185154 A 20150915
• EP 2016001463 W 20160830

Abstract (en)
[origin: WO2017045745A1] The invention relates to brønsted-acid fluoroalkyl phosphonates as bifunctional catalysts and to methods for the production thereof.

IPC 8 full level
C07F 9/48 (2006.01)

CPC (source: EP US)
B01J 31/0261 (2013.01 - US); **C07C 29/1285** (2013.01 - EP US); **C07C 45/46** (2013.01 - EP US); **C07C 45/61** (2013.01 - US); **C07C 45/72** (2013.01 - EP US); **C07C 67/00** (2013.01 - EP US); **C07C 67/03** (2013.01 - EP US); **C07F 9/4816** (2013.01 - EP US); **B01J 2231/32** (2013.01 - US); **B01J 2231/4205** (2013.01 - US); **C07C 2601/14** (2017.04 - EP US)

C-Set (source: EP US)
1. **C07C 67/00 + C07C 69/716**
2. **C07C 45/72 + C07C 49/12**
3. **C07C 45/72 + C07C 49/403**
4. **C07C 45/46 + C07C 49/84**
5. **C07C 29/1285 + C07C 31/125**
6. **C07C 67/03 + C07C 69/14**

Citation (search report)
See references of WO 2017045745A1

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 2017045745 A1 20170323; EP 3350190 A1 20180725; JP 2018528961 A 20181004; US 2018258115 A1 20180913

DOCDB simple family (application)
EP 2016001463 W 20160830; EP 16759681 A 20160830; JP 2018513640 A 20160830; US 201615759987 A 20160830