

Title (en)  
METHOD FOR PURIFYING ALKYL HYDROPEROXIDE BY EXTRACTION WITH WATER AND SEPARATION OF THE AQUEOUS PHASE

Title (de)  
VERFAHREN ZUR REINIGUNG VON ALKYLHYDROPEROXID DURCH EXTRAKTION MIT WASSER UND ABTRENNUNG DER WÄSSRIGEN PHASE

Title (fr)  
PROCÉDÉ DE PURIFICATION DE L'HYDROPEROXYDE D'ALKYLE PAR EXTRACTION À L'EAU ET SÉPARATION DE LA PHASE AQUEUSE

Publication  
**EP 3902783 A1 20211103 (FR)**

Application  
**EP 19849028 A 20191220**

Priority  
• FR 1874173 A 20181226  
• FR 2019053258 W 20191220

Abstract (en)  
[origin: WO2020136336A1] The present invention relates to a method for purifying a mixture containing at least one alkyl hydroperoxide, preferably tert-butyl hydroperoxide or tert-amyl hydroperoxide, and at least one corresponding dialkyl hydroperoxide, said method comprising at least one step of extraction with water and at least one separation step which is carried out within the aqueous phase, obtained following the extraction step, in order to recover an aqueous solution which is rich in alkyl hydroperoxide. The invention also relates to an aqueous composition which is rich in alkyl hydroperoxide and contains at least 0.1% by weight of dialkyl peroxide in relation to the total weight of the composition.

IPC 8 full level  
**C07C 407/00** (2006.01); **C07C 409/04** (2006.01)

CPC (source: EP US)  
**B01D 3/143** (2013.01 - US); **B01D 11/0492** (2013.01 - US); **C07C 407/003** (2013.01 - EP US); **C08K 5/14** (2013.01 - US)

Citation (search report)  
See references of WO 2020136336A1

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 2020136336 A1 20200702**; CN 112424166 A 20210226; EP 3902783 A1 20211103; FR 3091281 A1 20200703; FR 3091281 B1 20210618; MX 2021002003 A 20210428; US 2022073457 A1 20220310

DOCDB simple family (application)  
**FR 2019053258 W 20191220**; CN 201980047558 A 20191220; EP 19849028 A 20191220; FR 1874173 A 20181226; MX 2021002003 A 20191220; US 201917417427 A 20191220