

Title (en)

METHOD FOR THE HYDROXYLATION OF PHENOL.

Title (de)

VERFAHREN ZUR HYDROXYLIERUNG VON PHENOL

Title (fr)

PROCÉDÉ D'HYDROXYLATION DU PHENOL.

Publication

EP 2300402 A1 20110330 (FR)

Application

EP 09761688 A 20090608

Priority

- EP 2009057030 W 20090608
- FR 0803194 A 20080609

Abstract (en)

[origin: WO2009150125A1] The subject of the present invention is a method for the hydroxylation of phenol by hydrogen peroxide. The method of the invention for the hydroxylation of phenol to pyrocatechol and hydroquinone in a pyrocatechol/hydroquinone ratio between 1.7 and 2.3, by reaction of the phenol with hydrogen peroxide, in the presence of a catalyst, is characterized by the fact that the reaction is carried out in the presence of an effective amount of a hydroxyaromatic sulfonic acid.

IPC 8 full level

C07C 37/60 (2006.01); **C07C 39/08** (2006.01); **C07C 67/11** (2006.01)

CPC (source: EP KR US)

B01J 31/02 (2013.01 - KR); **C07C 37/60** (2013.01 - EP KR US); **C07C 39/08** (2013.01 - KR); **C07C 67/11** (2013.01 - KR)

Citation (search report)

See references of WO 2009150125A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009150125 A1 20091217; BR PI0914910 A2 20151020; CN 102083778 A 20110601; CN 102083778 B 20130731;
EP 2300402 A1 20110330; FR 2932178 A1 20091211; FR 2932178 B1 20121207; JP 2011522858 A 20110804; KR 20110015690 A 20110216;
US 2011152579 A1 20110623

DOCDB simple family (application)

EP 2009057030 W 20090608; BR PI0914910 A 20090608; CN 200980125864 A 20090608; EP 09761688 A 20090608; FR 0803194 A 20080609;
JP 2011512952 A 20090608; KR 20117000379 A 20090608; US 99686609 A 20090608