

Title (en)

A METHOD OF PURIFYING A DICARBOXYLIC ACID COMPOUND

Title (de)

VERFAHREN ZUR REINIGUNG EINER DICARBONSÄUREVERBINDUNG

Title (fr)

PROCÉDÉ DE PURIFICATION DE COMPOSÉ D'ACIDE DICARBOXYLIQUE

Publication

EP 2702031 A2 20140305 (EN)

Application

EP 12704955 A 20120126

Priority

- US 201161437581 P 20110128
- US 2012022709 W 20120126

Abstract (en)

[origin: WO2012103325A2] A process for purifying a dicarboxylic acid that is derived from the mixed oxidation products from an ozonization of a mixture containing an ethylenically unsaturated compound having between 6 to 24 carbons, the process includes distilling the mixed oxidation products to provide a first distillate and a second distillate, partitioning the second distillate between an aqueous layer and an organic solvent layer to extract a C9 to C22 monocarboxylic acid impurity, separating the organic solvent layer from the aqueous layer, and isolating the dicarboxylic acid having a residual content of the C9 to C22 monocarboxylic acid impurity in an amount that is less than 0.5% by weight.

IPC 8 full level

C07C 51/34 (2006.01)

CPC (source: EP)

C07C 51/34 (2013.01); **C07C 51/44** (2013.01); **C07C 51/48** (2013.01)

C-Set (source: EP)

1. **C07C 51/44 + C07C 55/02**
2. **C07C 51/48 + C07C 55/02**
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5. **C07C 51/44 + C07C 53/00**
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7. **C07C 51/48 + C07C 55/18**
8. **C07C 51/44 + C07C 55/18**
9. **C07C 51/34 + C07C 55/18**

Citation (search report)

See references of WO 2012103325A2

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)

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