

Title (en)
METHOD FOR ISOLATING ACIDS FROM CHEMICAL REACTION MIXTURES BY USING 1-ALKYLIMIDAZOLES

Title (de)
VERFAHREN ZUR ABTRENNUNG VON SÄUREN AUS CHEMISCHEN REAKTIONSGEMISCHEN MIT HILFE VON 1-ALKYLIMIDAZOLEN

Title (fr)
PROCEDE DE SEPARATION D'ACIDES CONTENUS DANS DES MELANGES REACTIONNELS CHIMIQUES, A L'AIDE DE 1-ALKYLIMIDAZOLES

Publication
EP 1697281 A1 20060906 (DE)

Application
EP 04803995 A 20041217

Priority

- EP 2004014386 W 20041217
- DE 10360397 A 20031219

Abstract (en)
[origin: WO2005061416A1] The invention relates to a method for isolating acids from chemical reaction mixtures by means of an auxiliary base, whereby this auxiliary base: b) forms a salt with the acid, which is liquid at temperatures at which the valuable product is not significantly decomposed during the isolation of the liquid salt, and; c) the salt of the auxiliary base, together with the valuable product or with the solution of the valuable product, forms, in a suitable solvent, two non-mixable liquid phases. According to the invention, an alkyl imidazole is used as the auxiliary base and has a solubility, in 30 % by weight of sodium chloride solution at 25 DEG C, of 10 % by weight or less and whose hydrochloride has a melting point of less than 55 DEG C.

IPC 8 full level
C07B 63/04 (2006.01); **C07F 9/02** (2006.01); **C07F 9/48** (2006.01)

CPC (source: EP KR US)
C07B 63/00 (2013.01 - KR); **C07B 63/04** (2013.01 - EP KR US); **C07F 9/02** (2013.01 - KR); **C07F 9/025** (2013.01 - EP US); **C07F 9/48** (2013.01 - KR); **C07F 9/4841** (2013.01 - EP US)

Citation (search report)
See references of WO 2005061416A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005061416 A1 20050707; CN 1894174 A 20070110; DE 10360397 A1 20050714; EP 1697281 A1 20060906; JP 2007534647 A 20071129; KR 20060132870 A 20061222; US 2009023933 A1 20090122; ZA 200605923 B 20080528

DOCDB simple family (application)
EP 2004014386 W 20041217; CN 200480037979 A 20041217; DE 10360397 A 20031219; EP 04803995 A 20041217; JP 2006544349 A 20041217; KR 20067014381 A 20060718; US 59654804 A 20041217; ZA 200605923 A 20060718