Title (en)

PROCESSES FOR PRODUCING ACETIC ACID

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ESSIGSÄURE

Title (fr)

PROCÉDÉS DE PRODUCTION D'ACIDE ACÉTIQUE

Publication

EP 3250542 A1 20171206 (EN)

Application

EP 15781530 A 20151002

Priority

- US 201562109765 P 20150130
- US 201562141490 P 20150401
- US 201514694913 A 20150423
- US 2015053884 W 20151002

Abstract (en)

[origin: WO2016122728A1] The disclosure is directed to a carbonylation process for producing acetic acid which includes separating a vapor product stream from a carbonylation reactor to produce a crude acid product comprising acetic acid comprising lithium cations and contacting the crude acetic acid product with a cationic exchanger in the acid form within a first treatment device to produce an intermediate acid product; and contacting the intermediate acetic acid product with a metal-exchanged ion exchange resin having acid cation exchange sites within a second treatment device to produce a purified acetic acid. Embodiments directed to operation of a treatment device comprising a plurality of sampling ports are also disclosed.

IPC 8 full level

C07C 51/12 (2006.01); **C07C 51/47** (2006.01); **C07C 53/08** (2006.01)

CPC (source: CN EP KR)

B01J 39/08 (2013.01 - KR); **C07C 51/12** (2013.01 - CN EP KR); **C07C 51/44** (2013.01 - KR); **C07C 51/47** (2013.01 - CN EP KR); **C07C 51/50** (2013.01 - KR); **C07C 53/08** (2013.01 - KR); B01J 2208/00955 (2013.01 - KR)

Citation (search report)

See references of WO 2016122728A1

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 2016122728 A1 20160804; CN 107207392 A 20170926; CN 107207392 B 20210608; EP 3250542 A1 20171206; KR 102493740 B1 20230130; KR 20170110656 A 20171011; MX 2017009867 A 20171115; MY 181742 A 20210106; SA 517381989 B1 20211102; SG 11201706008Y A 20170830

DOCDB simple family (application)

US 2015053884 W 20151002; CN 201580074800 A 20151002; EP 15781530 A 20151002; KR 20177024425 A 20151002; MX 2017009867 A 20151002; MY PI2017702746 A 20151002; SA 517381989 A 20170726; SG 11201706008Y A 20151002