

Title (en)

METHOD FOR PRODUCING FORMIC ACID FORMIATES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AMEISENSAUREN FORMIATEN

Title (fr)

PROCEDE DE PRODUCTION DE FORMIATES D'ACIDE FORMIQUE

Publication

EP 1626947 A1 20060222 (DE)

Application

EP 04732979 A 20040514

Priority

- EP 2004005214 W 20040514
- DE 10321733 A 20030514

Abstract (en)

[origin: WO2004101486A1] The invention relates to a method for producing formic acid formiates consisting in supplying a formic acid-containing fluid flow (I) and a metal formiate-containing fluid flow (II) and in mixing the fluid flow (I) and the fluid flow (II) in order to obtain corresponding formic acid formiate. Said invention is characterised in that a fluid flow (III) containing metallic formiate components, metal methanolate, methanol and formic acid methylester (MeFo) at a ratio > 0.1 mass % is inserted into the fluid flow (I) or the precursor thereof, into the fluid flow (II) or the precursor thereof or into a mixture which is formed by the fluid flows (I) and (II). Said fluid flow (III) is obtained by a method for producing MeFo by carbonylating methanol in a reactor at a pressure up to 50 MPa absolutes in the presence of metal methanolate which used as homogenous catalyst.

IPC 1-7

C07C 51/09; **C07C 51/41**; **C07C 53/02**; **C07C 53/06**

IPC 8 full level

C07C 51/41 (2006.01)

CPC (source: EP KR US)

C07C 51/09 (2013.01 - KR); **C07C 51/41** (2013.01 - KR); **C07C 51/412** (2013.01 - EP US); **C07C 53/02** (2013.01 - KR); **C07C 53/06** (2013.01 - KR)

Citation (search report)

See references of WO 2004101486A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004101486 A1 20041125; AR 044327 A1 20050907; BR PI0409827 A 20060425; CA 2526912 A1 20041125; CN 1787987 A 20060614; DE 10321733 A1 20041202; EP 1626947 A1 20060222; KR 20060013536 A 20060210; MX PA05011691 A 20060123; NO 20055153 D0 20051103; NO 20055153 L 20051130; RU 2005138727 A 20060627; TW 200512187 A 20050401; US 2006217571 A1 20060928

DOCDB simple family (application)

EP 2004005214 W 20040514; AR P040101638 A 20040514; BR PI0409827 A 20040514; CA 2526912 A 20040514; CN 200480012909 A 20040514; DE 10321733 A 20030514; EP 04732979 A 20040514; KR 20057021457 A 20051111; MX PA05011691 A 20040514; NO 20055153 A 20051103; RU 2005138727 A 20040514; TW 93113542 A 20040513; US 55639305 A 20051110