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<p>(51) International patent classification⁶ : C07C 55/14, 51/43</p>	<p>A1</p>	<p>(11) International publication number: WO 97/46510</p> <p>(43) International publication date: 11 December 1997 (11.12.97)</p>
<p>(21) International application number: PCT/FR97/00939</p> <p>(22) International filing date: 29 May 1997 (29.05.97)</p> <p>(30) Data relating to the priority: 96/07.171 4 June 1996 (04.06.96) FR</p> <p>(71) Applicant (for all designated States except US): RHÔNE-POULENC FIBER AND RESIN INTERMEDIATES <i>etc</i> [FR/FR]: 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR). <i>How</i> ✓</p> <p>(72) Inventors: and</p> <p>(75) Inventors/Applicants (US only): Eric B. HENRIET [FR/FR]: 89, rue du Pensionnat, F-69003 Lyon (FR). Philippe LECONTE [FR/FR]: 43, rue Sainte- Beuve, F-69330 Meyzieu (FR). Carl PATOIS [FR/FR]: 2, avenue Jules Jusserand, F-69003 Lyon (FR). Robert PERRON [FR/FR]: La Pecolière, F-69390 Charly (FR).</p> <p>(74) Representative: Noël VIGNALLY; Rhône-Poulenc Chimie, Industrial Property Directorate, C.R.I.T. - Carrières, P.O. Box 62, F-69192 Saint-Fons Cedex (FR).</p>	<p>(81) Designated States: BR, BY, CA, CN, CZ, JP, KR, MX, PL, RO, RU, SG, SK, UA, US, VN, European Patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>PCT/13/306</p> <p>Published With the International Search Report.</p>	

As printed

(54) Title: METHOD FOR PURIFYING ADIPIC ACID BY CRYSTALLIZATION

(54) Titre: PROCEDE DE PURIFICATION DE L'ACIDE ADIPIQUE PAR CRISTALLISATION

(57) Abstract

The invention discloses a method for purifying adipic acid by crystallization or recrystallization in at least one carboxylic acid. More precisely, it discloses an improvement in adipic acid crystallization or recrystallization, characterised in that the said crystallization or recrystallization is effected in at least one carboxylic acid with a melting point below 20 °C. The presence of carbon monoxide during crystallization or recrystallization can have a favourable effect on the adipic acid purity, in particular by reducing the content of metal catalyst traces of the adipic acid. The adipic acid purity can also be improved when the crystallization or recrystallization is effected in presence of a strong proton acid.

(57) Abrégé

La présente invention concerne un procédé de purification de l'acide adipique par cristallisation ou recristallisation dans au moins un acide carboxylique. Plus précisément elle concerne un perfectionnement à la cristallisation ou à la recristallisation de l'acide adipique, caractérisé en ce que ladite cristallisation ou recristallisation est effectuée dans au moins un acide carboxylique ayant un point de fusion inférieur à 20 °C. La présence de monoxyde de carbone pendant la cristallisation ou la recristallisation peut avoir un effet avantageux sur la pureté de l'acide adipique, en particulier pour réduire la teneur de l'acide adipique en traces de catalyseur métallique. La pureté de l'acide adipique peut aussi être améliorée lorsque la cristallisation ou la recristallisation est effectuée en présence d'un acide protonique fort.

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