

Title (en)

METHOD FOR SELECTIVE CHEMICAL EXTRACTION OF LACTIC ACID FROM POLYMER BLENDS

Title (de)

VERFAHREN ZUR SELEKTIVEN CHEMISCHEN EXTRAKTION VON MILCHSÄURE AUS POLYMERBLENDS

Title (fr)

PROCÉDÉ POUR UNE EXTRACTION CHIMIQUE SÉLECTIVE DE L'ACIDE LACTIQUE DEPUIS UN BLEND DE POLYMÈRES

Publication

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Application

EP 13799078 A 20131204

Priority

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- EP 2013075508 W 20131204

Abstract (en)

[origin: WO2014086840A1] The invention relates to the chemical extraction of lactic acid from polymer blends comprising polylactic acid and one or more further polyesters, and from mixtures comprising polylactic acid and one or more further polymers, by an alcoholysis of the polymer blends in the presence of alcohol for 6 to 30 h, at 80 to 160°C and a pressure of 0.05 to 10 bar.

IPC 8 full level

C08J 11/24 (2006.01)

CPC (source: EP)

C08J 11/24 (2013.01); **C08J 2367/04** (2013.01); **Y02W 30/62** (2015.05)

Citation (search report)

See references of WO 2014086840A1

Citation (examination)

- ARNAU CARN SNCHEZ ET AL: "The selective recycling of mixed plastic waste of polylactic acid and polyethylene terephthalate by control of process conditions", EUROPEAN POLYMER JOURNAL, PERGAMON PRESS LTD. OXFORD, GB, vol. 47, no. 10, 14 July 2011 (2011-07-14), pages 1970 - 1976, XP028294714, ISSN: 0014-3057, [retrieved on 20110726], DOI: 10.1016/J.EURPOLYMJ.2011.07.013
- ANDERS SÖDERGARD ET AL: "3 INDUSTRIAL PRODUCTION OF HIGH MOLECULAR WEIGHT POLY(LACTIC ACID)", POLY(LACTIC ACID): SYNTHESIS, PROPERTIES, PROCESSING, AND APPLICATIONS, 1 January 2010 (2010-01-01), pages 27 - 41, XP055143073, Retrieved from the Internet <URL:http://onlinelibrary.wiley.com/store/10.1002/9780470649848.ch3/asset/ch3.pdf?v=1&t=i0jotxyn&s=557af384ef95d1528eb8a5138745393ef67b8bd4> [retrieved on 20140926]

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Designated extension state (EPC)

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DOCDB simple family (publication)

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