

Title (en)

HPLC ANALYSIS OF IMPURITIES IN DIANHYDROGALACTITOL

Title (de)

HPLC-ANALYSE VON VERUNREINIGUNGEN IN DIANHYDROGALACTITOL

Title (fr)

ANALYSE PAR CLHP DES IMPURETÉS CONTENUES DANS DU DIANHYDROGALACTITOL

Publication

**EP 3071555 A4 20170531 (EN)**

Application

**EP 14862051 A 20141118**

Priority

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- US 2014066087 W 20141118

Abstract (en)

[origin: WO2015074025A1] An improved analytical method for analysis of dianhydrogalactitol preparations provides a method for determining the purity of dianhydrogalactitol and detecting impurities in preparations of dianhydrogalactitol, as well as identifying any such impurities. The method employs high performance liquid chromatography (HPLC), in particular, HPLC with evaporative light scattering detection (ELSD); the HPLC can be followed by tandem mass spectroscopy. The method can further comprise the step of performing preparative HPLC collection of at least one specific substance peak present in a preparation of dianhydrogalactitol.

IPC 8 full level

**C07D 301/02** (2006.01); **C07D 303/14** (2006.01); **G01N 30/22** (2006.01); **G01N 30/74** (2006.01); **G01N 30/88** (2006.01); **G01N 30/84** (2006.01)

CPC (source: EP KR)

**C07D 301/02** (2013.01 - EP); **C07D 303/14** (2013.01 - EP KR); **C07D 307/02** (2013.01 - KR); **G01N 30/72** (2013.01 - KR); **G01N 30/74** (2013.01 - EP KR); **G01N 30/88** (2013.01 - EP KR); **G01N 2030/8494** (2013.01 - EP KR); **G01N 2030/8872** (2013.01 - EP KR)

Citation (search report)

- [XPA] US 2014017798 A1 20140116 - YU XIAOYUN [CA]
- See references of WO 2015074025A1

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

DOCDB simple family (publication)

**WO 2015074025 A1 20150521**; **WO 2015074025 A9 20151217**; AU 2014348232 A1 20160630; CA 2931088 A1 20150521; CL 2016001197 A1 20170630; CN 107529337 A 20171229; CN 107529337 B 20211116; EP 3071555 A1 20160928; EP 3071555 A4 20170531; IL 245713 A0 20160802; JP 2016538574 A 20161208; KR 20160108315 A 20160919; MX 2016006457 A 20170106

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