

Title (en)
REBAUDIOSIDE M BIOSYNTHETIC PRODUCTION AND RECOVERY METHODS

Title (de)
BIOSYNTHETISCHE HERSTELLUNG VON REBAUDIOSIDE M UND VERFAHREN ZUR RÜCKGEWINNUNG

Title (fr)
PRODUCTION BIOSYNTHÉTIQUE DE RÉBAUDIOSIDE M ET PROCÉDÉS DE RÉCUPÉRATION

Publication
EP 3256008 A4 20181031 (EN)

Application
EP 16749758 A 20160210

Priority
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• US 2016017236 W 20160210

Abstract (en)
[origin: WO2016130609A1] Various recovery processes are provided for the complete recovery of low soluble steviol glycosides obtained in recombinant microorganisms. Soluble α -glycosyl steviol glycosides were fully recovered in downstream processing and then converted to steviol glycosides by hydrolases. The obtained steviol glycosides were purified and used as sweeteners, sweetness enhancers, flavor enhancers, and flavor modifiers in foods, beverages, cosmetics and pharmaceuticals.

IPC 8 full level
A23L 2/56 (2006.01); **A23L 2/60** (2006.01); **A23L 27/00** (2016.01); **C12N 9/10** (2006.01); **C12N 9/24** (2006.01); **C12N 9/34** (2006.01); **C12P 19/18** (2006.01); **C12P 19/56** (2006.01)

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Citation (search report)
• [X] US 4219571 A 19800826 - MIYAKE TOSHIO [JP]
• [X] KR 100888694 B1 20090316 - KIM KYUNG JAE [KR], et al
• [I] US 2014030381 A1 20140130 - MARKYSYAN AVETIK [AM]

Citation (examination)
• WO 2014122227 A2 20140814 - EVOLVA SA [CH]
• O. TANAKA: "Improvement of taste of natural sweeteners", PURE & APPLIED CHEMISTRY, vol. 69, no. 4, 1 January 1997 (1997-01-01), GB, pages 675 - 684, XP055531358, ISSN: 0033-4545, DOI: 10.1351/pac199769040675
• YOSHIKAWA ET AL: "Transglycosylation of Mogroside V, a Triterpene Glycoside in Siraitia grosvenori, by Cyclodextrin Glucanotransferase and Improvement of the Qualities of Sweetness", JOURNAL OF APPLIED GLYCOSCIENCE, vol. 52, 1 January 2005 (2005-01-01), pages 247 - 252, XP055502085
• See also references of WO 2016130609A1

Designated contracting state (EPC)
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