Title (en)

METHOD FOR PRODUCING OLIGOSACCHARIDES AND OLIGOSACCHARIDE GLYCOSIDES BY FERMENTATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON OLIGOSACCHARIDEN UND OLIGOSACCHARIDGLYKOSIDEN DURCH FERMENTATION

Title (fr)

PROCÉDÉ DE PRODUCTION D'OLIGOSACCHARIDES ET D'OLIGOSACCHARIDE GLYCOSIDES PAR FERMENTATION

Publication

EP 2859112 A4 20151028 (EN)

Application

EP 13800288 A 20130607

Priority
- DK PA201270313 A 20120608
- DK PA201200395 A 20120611
- DK PA201270332 A 20120615
- DK PA201270656 A 20121025
- DK 2013050182 W 20130607

Abstract (en)

[origin: WO2013182206A1] The application discloses a method for producing anomerically protected glycosidic oligosaccharide derivatives comprising the step of culturing, in a culture medium containing an anomerically protected lactose acceptor, a genetically modified cell having a recombinant gene that encodes a glycosyl transferase that can transfer a glycosyl residue of an activated sugar nucleotide to said lactose acceptor. The application further discloses a method for producing an oligosaccharide comprising the steps of: (a) culturing, in a culture medium containing an anomerically protected lactose acceptor, a genetically modified cell having a recombinant gene that encodes a glycosyl transferase that can transfer a glycosyl residue of an activated sugar nucleotide to said lactose acceptor to produce an anomerically protected glycosidic oligosaccharide derivative, then (b) removing/deprotecting the anomeric protective group.

IPC 8 full level

C07H 3/06 (2006.01); **C07H 5/04** (2006.01); **C07H 5/08** (2006.01); **C07H 15/18** (2006.01); **C12P 19/28** (2006.01); **C12P 19/44** (2006.01); **C12P 19/64** (2006.01)

CPC (source: EP)

C07H 3/06 (2013.01); **C07H 5/04** (2013.01); **C07H 15/10** (2013.01); **C07H 15/14** (2013.01); **C07H 15/18** (2013.01); **C12P 19/28** (2013.01); **C12P 19/44** (2013.01); **C12P 19/64** (2013.01); Y02P 20/55 (2015.11)

Citation (search report)
- No further relevant documents disclosed
- See references of WO 2013182206A1

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 2013182206 A1 20131212; EP 2859112 A1 20150415; EP 2859112 A4 20151028

DOCDB simple family (application)

DK 2013050182 W 20130607; EP 13800288 A 20130607