

Title (en)  
NOVEL GALACTOOLIGOSACCHARIDE COMPOSITION AND THE PREPARATION THEREOF

Title (de)  
NEUE GALACTOOLIGOSACCHARIDZUSAMMENSETZUNG UND HERSTELLUNG DAVON

Title (fr)  
NOUVELLE COMPOSITION DE GALACTO-OLIGOSACCHARIDE ET SA PREPARATION

Publication  
**EP 1644482 B8 20071003 (EN)**

Application  
**EP 04743163 A 20040630**

Priority  

- GB 2004002815 W 20040630
- GB 0315266 A 20030630
- GB 0325224 A 20031029
- GB 0405837 A 20040316

Abstract (en)  
[origin: WO2005003329A1] Novel strains of Bifidobacterium hifidum capable of producing a novel galactosidase enzyme activity that converts lactose to a novel mixture of galactooligosaccharides. The mixture of oligosaccharides may be incorporated into numerous food products or animal feeds for improving gut health by promoting the growth of bifidobacteria in the gut, and repressing the growth of the pathogenic microflora.

IPC 8 full level  
**C12N 1/20** (2006.01); **A23C 9/123** (2006.01); **A61K 31/70** (2006.01); **A61K 31/7016** (2006.01); **A61K 31/702** (2006.01); **A61K 35/74** (2015.01); **A61K 35/745** (2015.01); **A61P 1/04** (2006.01); **C07H 3/06** (2006.01); **C12P 19/14** (2006.01)

CPC (source: EP KR US)  
**A23C 9/1234** (2013.01 - EP US); **A61K 31/70** (2013.01 - KR); **A61K 31/7016** (2013.01 - EP US); **A61K 31/702** (2013.01 - EP US); **A61P 1/00** (2018.01 - EP); **A61P 1/04** (2018.01 - EP); **A61P 1/14** (2018.01 - EP); **A61P 31/04** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07H 3/06** (2013.01 - EP US); **C12N 1/20** (2013.01 - KR); **C12N 1/205** (2021.05 - EP US); **C12P 19/14** (2013.01 - EP KR US); **C12R 2001/01** (2021.05 - EP US)

C-Set (source: EP US)  

1. **A61K 31/7016** + **A61K 2300/00**
2. **A61K 31/702** + **A61K 2300/00**

Cited by  
WO2013005001A1; WO2010143961A1; US8591919B2; US9775860B2; US9808481B2; US10190142B2; US10385373B2; US10612060B2; WO2014155056A1; US11241449B2; EP2421541B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005003329 A1 20050113**; AT E360682 T1 20070515; AU 2004254110 A1 20050113; AU 2004254110 B2 20070104; BR PI0408911 A 20060328; BR PI0408911 B1 20160726; CA 2520043 A1 20050113; CA 2520043 C 20090901; CY 1107671 T1 20130418; DE 602004006133 D1 20070606; DE 602004006133 T2 20071122; DE 602004006133 T3 20141224; DK 1644482 T3 20070813; DK 1644482 T4 20141215; EP 1644482 A1 20060412; EP 1644482 B1 20070425; EP 1644482 B2 20141001; EP 1644482 B8 20071003; ES 2284028 T3 20071101; ES 2284028 T5 20141204; GB 0513376 D0 20050803; GB 2412380 A 20050928; GB 2412380 B 20051109; HK 1077323 A1 20060210; IL 172553 A0 20060410; IL 172553 A 20100630; JP 2007527199 A 20070927; JP 2009189374 A 20090827; JP 4384656 B2 20091216; JP 4932874 B2 20120516; KR 100857500 B1 20080908; KR 20050111624 A 20051125; MX PA05010349 A 20060308; NO 20056004 L 20060103; NO 335413 B1 20141208; NZ 542482 A 20080530; PL 1644482 T3 20070928; PL 1644482 T5 20150529; PT 1644482 E 20070625; RU 2005129997 A 20060610; RU 2313572 C2 20071227; US 2007274955 A1 20071129; US 7883874 B2 20110208

DOCDB simple family (application)  
**GB 2004002815 W 20040630**; AT 04743163 T 20040630; AU 2004254110 A 20040630; BR PI0408911 A 20040630; CA 2520043 A 20040630; CY 071100783 T 20070613; DE 602004006133 T 20040630; DK 04743163 T 20040630; EP 04743163 A 20040630; ES 04743163 T 20040630; GB 0513376 A 20040630; HK 05109241 A 20051020; IL 17255305 A 20051213; JP 2006500267 A 20040630; JP 2009133580 A 20090603; KR 20057018098 A 20050926; MX PA05010349 A 20040630; NO 20056004 A 20051216; NZ 54248204 A 20040630; PL 04743163 T 20040630; PT 04743163 T 20040630; RU 2005129997 A 20040630; US 55248304 A 20040630