

Title (en)

METHOD FOR PRODUCING KETOCAROTINOIDS IN GENETICALLY MODIFIED ORGANISMS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KETOCAROTINOIDEN IN GENETISCH VERÄNDERTEN ORGANISMEN

Title (fr)

PROCEDE D'OBTENTION DE CETOCAROTINOIDES DANS DES ORGANISMES GENETIQUEMENT MODIFIES

Publication

**EP 1532265 A2 20050525 (DE)**

Application

**EP 03792348 A 20030818**

Priority

- DE 10238980 A 20020820
- DE 10238978 A 20020820
- DE 10238979 A 20020820
- DE 10253112 A 20021113
- DE 10258971 A 20021216
- EP 0309106 W 20030818

Abstract (en)

[origin: US7385123B2] The present invention relates to a process for preparing ketocarotenoids by cultivation of genetically modified organisms which, compared with the wild type, have a modified ketolase activity, to the genetically modified organisms, and to the use thereof as human and animal foods and for producing ketocarotenoid extracts.

IPC 1-7

**C12P 23/00**; **C12N 9/14**; **C12N 15/82**

IPC 8 full level

**A23K 1/14** (2006.01); **A23K 1/16** (2006.01); **A23K 1/18** (2006.01); **A23L 1/275** (2006.01); **A23L 33/155** (2016.01); **C07H 21/00** (2006.01); **C09B 61/00** (2006.01); **C12N 9/02** (2006.01); **C12N 15/53** (2006.01); **C12N 15/82** (2006.01); **C12P 23/00** (2006.01)

CPC (source: EP US)

**A23K 10/30** (2016.05 - EP US); **A23K 20/179** (2016.05 - EP US); **A23K 50/80** (2016.05 - EP US); **A23L 5/44** (2016.08 - EP US); **A23L 33/155** (2016.08 - EP US); **C07H 21/00** (2013.01 - EP US); **C09B 61/00** (2013.01 - EP US); **C12N 9/0004** (2013.01 - EP US); **C12N 9/0069** (2013.01 - EP US); **C12N 15/823** (2013.01 - EP US); **C12N 15/8243** (2013.01 - EP US); **C12N 15/825** (2013.01 - EP US); **C12P 23/00** (2013.01 - EP US); **A23V 2002/00** (2013.01 - EP US); **Y02A 40/818** (2018.01 - EP US)

C-Set (source: EP US)

**A23V 2002/00** + **A23V 2300/21**

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004018695 A2 20040304**; **WO 2004018695 A3 20041014**; AT E484198 T1 20101015; AU 2003253416 A1 20040311; AU 2003258623 A1 20040311; AU 2003260423 A1 20040311; AU 2003260424 A1 20040311; AU 2003264062 A1 20040311; AU 2003264062 B2 20080103; CA 2495235 A1 20040304; CA 2495444 A1 20040304; CA 2495878 A1 20040304; CA 2496133 A1 20040304; CA 2496207 A1 20040304; CN 1675367 A 20050928; DE 50313184 D1 20101125; EP 1531683 A2 20050525; EP 1531683 B1 20101013; EP 1532264 A2 20050525; EP 1532265 A2 20050525; EP 1532266 A2 20050525; EP 1542945 A2 20050622; IL 166507 A0 20060115; IL 166767 A0 20060115; IL 166770 A0 20060115; IL 166771 A0 20060115; MX PA05001659 A 20050722; MX PA05001811 A 20051019; MX PA05001899 A 20050829; MX PA05001944 A 20050622; MX PA05001948 A 20050908; NO 20050598 L 20050407; NO 20050703 L 20050509; NO 20050704 L 20050513; NO 20050705 L 20050518; NO 20050755 L 20050519; US 2005281909 A1 20051222; US 2006031963 A1 20060209; US 2006112451 A1 20060525; US 2006253927 A1 20061109; US 2007094749 A1 20070426; US 7381541 B2 20080603; US 7385123 B2 20080610; WO 2004017749 A2 20040304; WO 2004017749 A3 20041014; WO 2004018385 A2 20040304; WO 2004018385 A3 20041021; WO 2004018693 A2 20040304; WO 2004018693 A3 20041209; WO 2004018694 A2 20040304; WO 2004018694 A3 20040910; ZA 200602230 B 20070530

DOCDB simple family (application)

**EP 0309107 W 20030818**; AT 03792350 T 20030818; AU 2003253416 A 20030818; AU 2003258623 A 20030818; AU 2003260423 A 20030818; AU 2003260424 A 20030818; AU 2003264062 A 20030818; CA 2495235 A 20030818; CA 2495444 A 20030818; CA 2495878 A 20030818; CA 2496133 A 20030818; CA 2496207 A 20030818; CN 03819751 A 20030818; DE 50313184 T 20030818; EP 0309102 W 20030818; EP 0309105 W 20030818; EP 0309106 W 20030818; EP 0309109 W 20030818; EP 03792345 A 20030818; EP 03792347 A 20030818; EP 03792348 A 20030818; EP 03792349 A 20030818; EP 03792350 A 20030818; IL 16650705 A 20050126; IL 16676705 A 20050209; IL 16677005 A 20050209; IL 16677105 A 20050209; MX PA05001659 A 20030818; MX PA05001811 A 20030818; MX PA05001899 A 20030818; MX PA05001944 A 20030818; MX PA05001948 A 20030818; NO 20050598 A 20050203; NO 20050703 A 20050209; NO 20050704 A 20050209; NO 20050705 A 20050209; NO 20050755 A 20050211; US 52464705 A 20050217; US 52465205 A 20050328; US 52482705 A 20050218; US 52482903 A 20030818; US 52497205 A 20050218; ZA 200602230 A 20060316