

Title (en)

FEATHER BASED COMESTIBLE COMPOSITIONS AND METHODS FOR MAKING SUCH COMPOSITIONS

Title (de)

AUF FEDERN BASIERENDE ESSBARE ZUSAMMENSETZUNGEN UND VERFAHREN ZUR HERSTELLUNG SOLCHER ZUSAMMENSETZUNGEN

Title (fr)

COMPOSITIONS COMESTIBLES À BASE DE PLUMES ET PROCÉDÉ DE FABRICATION DE TELLES COMPOSITIONS

Publication

**EP 2879514 A1 20150610 (EN)**

Application

**EP 13745101 A 20130805**

Priority

- US 201261679988 P 20120806
- EP 2013066366 W 20130805

Abstract (en)

[origin: WO2014023684A1] The invention provides methods for making a comestible compositions by producing a mixture comprising from about 20 to about 60% feather, from about 30 to about 65% polyol, and from about 0.1 to about 3% feather degradation agent; and heating the mixture to a temperature of from about 120 to about 240 °C under a pressure of from about 200 to about 1000 psi for a period of from about 2 to about 10 minutes. The invention also provides comestible compositions produced by the methods.

IPC 8 full level

**A23K 1/10** (2006.01); **A23K 1/00** (2006.01); **A23K 1/16** (2006.01); **A23K 1/175** (2006.01)

CPC (source: EP US)

**A23K 10/26** (2016.05 - EP US); **A23K 20/105** (2016.05 - EP); **A23K 20/20** (2016.05 - EP US); **A23K 40/25** (2016.05 - EP US)

Citation (search report)

See references of WO 2014023684A1

Citation (examination)

- DE 3804895 A1 19890831 - SCHAAF HEINZ NAHRUNGSMITTEL [DE]
- BARONE ET AL: "Composting and biodegradation of thermally processed feather keratin polymer", POLYMER DEGRADATION AND STABILITY, BARKING, GB, vol. 92, no. 5, 29 April 2007 (2007-04-29), pages 859 - 867, XP022053102, ISSN: 0141-3910, DOI: 10.1016/J.POLYMDEGRADSTAB.2007.01.030
- MARK S. ROH ET AL: "Physical and chemical properties of biobased plastic resins containing chicken feather fibers", HORTICULTURE, ENVIRONMENT AND BIOTECHNOLOGY, vol. 53, no. 1, 1 February 2012 (2012-02-01), KOREA, pages 72 - 80, XP055310495, ISSN: 2211-3452, DOI: 10.1007/s13580-012-0117-0

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014023684 A1 20140213**; AR 094437 A1 20150805; AU 2013301587 A1 20150212; AU 2013301587 B2 20160707; BR 112015002511 A2 20170704; CA 2880113 A1 20140213; CN 104519752 A 20150415; EP 2879514 A1 20150610; IN 756DEN2015 A 20150710; JP 2015524275 A 20150824; MX 2015001604 A 20150507; RU 2015107793 A 20160927

DOCDB simple family (application)

**EP 2013066366 W 20130805**; AR P130102799 A 20130806; AU 2013301587 A 20130805; BR 112015002511 A 20130805; CA 2880113 A 20130805; CN 201380041257 A 20130805; EP 13745101 A 20130805; IN 756DEN2015 A 20150129; JP 2015525850 A 20130805; MX 2015001604 A 20130805; RU 2015107793 A 20130805