

Title (en)

MICROWAVE-ASSISTED STERILIZATION AND PASTEURIZATION OF LIQUID AND SEMI-LIQUID MATERIALS

Title (de)

MIKROWELLENUNTERSTÜTZTE STERILISATION UND PASTEURISIERUNG VON FLÜSSIGEN UND HALBFLÜSSIGEN MATERIALIEN

Title (fr)

STÉRILISATION ET PASTEURISATION ASSISTÉES PAR MICRO-ONDES DE MATÉRIAUX LIQUIDES ET SEMI-LIQUIDES

Publication

**EP 3554269 A4 20201028 (EN)**

Application

**EP 17883516 A 20171218**

Priority

- US 201662436185 P 20161219
- US 201662436217 P 20161219
- US 2017067053 W 20171218

Abstract (en)

[origin: WO2018118795A1] Methods for pasteurizing or sterilizing liquid or semi-liquid materials in a liquid-filled microwave heating system are described herein. The methods described herein may be used for pasteurizing or sterilizing a variety of different liquids and semi-liquids, including foodstuffs and beverages, as well as medical, pharmaceutical, nutraceutical, and veterinary liquids. Efficient and rapid heating using microwave energy can provide better temperature control, which permits the use of thinner bottles without sacrificing product quality or safety.

IPC 8 full level

**A23L 3/01** (2006.01); **A23L 3/04** (2006.01); **B01J 19/12** (2006.01); **B65D 1/02** (2006.01); **B65D 1/10** (2006.01); **B65D 1/12** (2006.01); **B65D 81/18** (2006.01); **B65D 81/20** (2006.01); **B65D 81/24** (2006.01)

CPC (source: EP KR)

**A23L 3/001** (2013.01 - KR); **A23L 3/01** (2013.01 - EP KR); **A23L 3/04** (2013.01 - EP KR)

Citation (search report)

- [XI] US 2013240507 A1 20130919 - KIMREY JR HAROLD DAIL [US]
- [XYI] US 2013071527 A1 20130321 - PESCE THADDEUS [US], et al
- [Y] US 3961150 A 19760601 - LEWIS PETER SYDNEY, et al
- See references of WO 2018118795A1

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 2018118795 A1 20180628**; AU 2017379798 A1 20190725; BR 112019012685 A2 20191217; CA 3047732 A1 20180628; CN 110461167 A 20191115; EP 3554269 A1 20191023; EP 3554269 A4 20201028; IL 267504 A 20190829; JP 2020503922 A 20200206; KR 20190107673 A 20190920; MX 2019007280 A 20190816

DOCDB simple family (application)

**US 2017067053 W 20171218**; AU 2017379798 A 20171218; BR 112019012685 A 20171218; CA 3047732 A 20171218; CN 201780082903 A 20171218; EP 17883516 A 20171218; IL 26750419 A 20190619; JP 2019533185 A 20171218; KR 20197021118 A 20171218; MX 2019007280 A 20171218