

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

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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)

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DOCDB simple family (publication)

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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