

Title (en)

METHOD AND DEVICE FOR OBTAINING ESSENTIAL OILS FROM BIOGENIC PLANT RAW MATERIALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR GEWINNUNG VON ÄTHERISCHEN ÖLEN AUS BIOGENEN PFLANZLICHEN ROHSTOFFEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'OBTENTION D'HUILES ESSENTIELLES À PARTIR DE MATIÈRES PREMIÈRES VÉGÉTALES BIOGÉNIQUES

Publication

**EP 3188814 A1 20170712 (DE)**

Application

**EP 15759640 A 20150902**

Priority

- DE 102014013762 A 20140905
- EP 2015001772 W 20150902

Abstract (en)

[origin: WO2016034285A1] The invention relates to a method for obtaining essential oils from biogenic plant raw materials. In the method, the biogenic raw materials are digested and the solid phase and the liquid phase are separated continuously by means of a steam distillation process. The liquid phase is treated by means of a spent-steam condensation process and azeotropic phase separation such that an absolutely sterile, 100% naturally pure essential oil is obtained and distilled water is accumulated in the process. The solid phase is processed into absolutely sterile solid molded bodies. The invention further relates to a device for obtaining essential oil from biogenic plant raw materials, said device comprising a biomass preparation module, a steam distillation and drying module, a spent-steam condensation module for obtaining absolutely sterile, 100% naturally pure essential oil and distilled water, and a processing module which generates absolutely sterile and virtually dust-free solid molded bodies from the solid phase.

IPC 8 full level

**B01D 3/38** (2006.01); **C11B 1/10** (2006.01); **C11B 9/02** (2006.01)

CPC (source: EP)

**B01D 3/38** (2013.01); **C11B 9/027** (2013.01)

Citation (search report)

See references of WO 2016034285A1

Cited by

DE102020216355A1

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)

**DE 102014013762 A1 20160310**; EP 3188814 A1 20170712; WO 2016034285 A1 20160310

DOCDB simple family (application)

**DE 102014013762 A 20140905**; EP 15759640 A 20150902; EP 2015001772 W 20150902