

Title (en)

ROTARY DEVICE FOR OIL EXTRACTION FROM OILSEED

Title (de)

DREHVORRICHTUNG ZUR ÖLEXTRAKTION AUS ÖLSAATEN

Title (fr)

DISPOSITIF ROTATIF D'EXTRACTION D'HUILE À PARTIR DE GRAINES OLÉAGINEUSES

Publication

**EP 3795343 B1 20231206 (EN)**

Application

**EP 19464015 A 20191011**

Priority

RO 201900572 A 20190918

Abstract (en)

[origin: RO134830A2] The invention relates to a rotary device for extracting oil from oil-bearing seeds. According to the invention, the device consists of two semi-cups (6) mounted on two discs (12) with inclined rotation axes, which join to each other and, along with the plate (2) which is sieve-like perforated on the pressing portion, allow the oil to flow into the collecting trough (3) towards the reservoir (4), forming a pressing cavity where the punches (1) enter, the punches being mounted on a punch-holder disc (11) with a complex constructive shape, to enable a uniform pressing of the oil-bearing seeds loaded in the hopper (9) and the rotary motion of the two discs (12) as to bring the next cavity filled with seeds in front of the punch, where the optimal extraction temperature is provided by electrical resistors (8, 10 and 13).

IPC 8 full level

**B30B 9/20** (2006.01); **B30B 9/04** (2006.01); **B30B 9/06** (2006.01); **B30B 9/08** (2006.01); **C11B 1/04** (2006.01); **C11B 1/06** (2006.01); **C11B 1/08** (2006.01)

CPC (source: EP)

**B30B 9/042** (2013.01); **B30B 9/045** (2013.01); **B30B 9/06** (2013.01); **B30B 9/08** (2013.01); **B30B 9/202** (2013.01); **C11B 1/04** (2013.01); **C11B 1/06** (2013.01); **C11B 1/08** (2013.01)

Cited by

CN113352673A; CN114606051A

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)

**EP 3795343 A1 20210324**; **EP 3795343 B1 20231206**; RO 134830 A2 20210330

DOCDB simple family (application)

**EP 19464015 A 20191011**; RO 201900572 A 20190918