

Title (en)

SCREW PRESS FOR COLD PRESSING OF OILSEEDS

Title (de)

SCHNECKENPRESSE ZUM KALTPRESSEN VON ÖLSAATEN

Title (fr)

PRESSE À VIS POUR PRESSAGE À FROID DE GRAINES OLÉAGINEUSES

Publication

EP 3749510 A1 20201216 (EN)

Application

EP 19816507 A 20191105

Priority

- BG 11292719 A 20190430
- BG 2019050002 W 20191105

Abstract (en)

[origin: WO2020220096A1] Screw press for cold pressing of oilseeds used for producing vegetable oils, having a housing (1) with longitudinal spline ways (2) inside. An inlet opening (3) in the front part of the housing and outlet openings (5) for the pressed out oil in its middle part are provided. A screw (6) with a slightly rounded screw header (7) in the housing ends in a screw tip (17) shaped like a truncated cone. The press has a screw head (8) with a central opening (9) and a nozzle (14) with a frustoconical nozzle hole (15) converting into a discharge opening (16), also frustoconical. In the front face (10) of the press head (8) there are triangular splines (11). The generants k1 and k2 of the nozzle hole (15) and the truncated cone of the screw tip (17) form respectively angles α and β with the O-axis, wherein $\alpha > \beta$, i.e. the gap between the nozzle hole (15) and the screw tip (17) becomes narrower towards the discharge for the solid residue.

IPC 8 full level

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CPC (source: EP)

B30B 9/121 (2013.01); **B30B 9/14** (2013.01); **B30B 11/221** (2013.01); **C11B 1/06** (2013.01)

Citation (search report)

See references of WO 2020220096A1

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