

Title (en)
Process and plant for oil extraction from fruits and seeds

Title (de)
Verfahren und Anlage zur Ölgewinnung aus Früchten oder Saaten

Title (fr)
Procédé et installation pour l'extraction d'huile de fruits et de graines

Publication
EP 1260571 B1 20050928 (DE)

Application
EP 02008998 A 20020423

Priority
DE 10123651 A 20010515

Abstract (en)
[origin: EP1260571A2] Process to extract oil from a fruit e.g. olives or avocado pears, comprises crushing the fruit and either simultaneously or subsequently subjecting it to high pressure and then relaxed. The crushed and relaxed fluid is then processed in a full- mantle screw centrifuge. An Independent claims is also included for a commensurate assembly incorporating a crushing extruder (12) which subjects the crushed fruit to high pressure (7) with a pressure zone (7a) and a relaxation valve (7b) feeding the screw centrifuge (11). The high- pressure zone (7) crushes the fruit and incorporates a homogenisator. The centrifuge separates the crushed fruit into an first phase containing oil and a second 'Orujo' phase containing a mixture of solids and water.

IPC 1-7
C11B 1/00; **C11B 1/04**; **C11B 1/10**; **A23N 1/02**

IPC 8 full level
C11B 1/04 (2006.01); **C11B 1/10** (2006.01)

CPC (source: EP)
C11B 1/04 (2013.01); **C11B 1/10** (2013.01); **C11B 1/102** (2013.01)

Cited by
EP2596707A1; EP4071225A1; IT201800007016A1; WO2013076592A1; DE102011053527A1; WO2013037751A1; US9750276B2; WO2022200644A1; WO2023287271A1

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