

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 A2 20021127 (DE)

Application

EP 02008998 A 20020423

Priority

DE 10123651 A 20010515

Abstract (en)

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.

Abstract (de)

Ein Verfahren und eine Anlage zur Ölgewinnung aus Früchten oder Saaten, vorzugsweise Oliven oder Avocados, zeichnen sich dadurch aus, daß ein zerkleinerter Fruchtbrei aus den Früchten oder Saaten über eine Hochdruckstrecke (7) mit einer Hochdruckzone (7a) und einem Entspannungsventil (7b) einer Vollmantel-Schneckenzenrifuge (11) zugeführt wird. <IMAGE>

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

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1260571 A2 20021127; **EP 1260571 A3 20040107**; **EP 1260571 B1 20050928**; AT E305501 T1 20051015; DE 10123651 A1 20021128; DE 50204364 D1 20060209; ES 2245999 T3 20060201; PT 1260571 E 20051130

DOCDB simple family (application)

EP 02008998 A 20020423; AT 02008998 T 20020423; DE 10123651 A 20010515; DE 50204364 T 20020423; ES 02008998 T 20020423; PT 02008998 T 20020423