

Title (en)  
MACHINE TO EXTRACT OIL FROM FRUIT

Title (de)  
MASCHINE ZUR GEWINNUNG DES ÖLS EINER FRUCHT

Title (fr)  
MACHINE POUR EXTRAIRE L'HUILE D'UN FRUIT

Publication  
**EP 1280425 A2 20030205 (EN)**

Application  
**EP 01927507 A 20010502**

Priority  
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• BR 0001692 A 20000502

Abstract (en)  
[origin: WO0182721A2] This invention presents a modulating machine, used to extract and recover essential oil from citrus fruit such as lemons, oranges, mandarins, grapefruit, etc. not removing their peel, but by microperforating it and disrupting oil cells. The oil thus extracted is trapped in water so as to form an aqueous emulsion. The created machine comprises a set of grooved disks (9) mounted over corresponding supporting axes (8); a base structure (1) on which lower portion there is a transmission set installed, formed by pulleys (2) and chains or grooved belts (3) operated by a motor (4); a set of supporting axes (8) provided with alternate axial and rotational movement, by means of a set of operation (10) interconnected to rod (11) transmitting alternate movement to the connected handles (12), alternating to the ends (13) of said supporting axes (8); an emulsion tank (15) laterally provided with collectors (16); spillway (30); disk cleaning set (9); fruit washing and drying unit; and an automatic lubrication system for application of oil and grease at specific points.

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**A23N 1/00**

IPC 8 full level  
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