

Title (en)
AN IMPROVED EXTRACTOR OF OIL FROM OILY SEED OR FRUIT PASTES AND THE LIKE

Publication
EP 0252025 B1 19910102 (EN)

Application
EP 87830230 A 19870619

Priority
IT 4818186 A 19860624

Abstract (en)
[origin: EP0252025A2] A tank extractor (1) of a rectangular plan view, the bottom wall of which is substantially shaped in the form of sectors (1b) of two partially interpenetrating cylinders, between which a longitudinal channel (1c) is arranged, housing a screw (2,2a) for the discharge of the treated paste. The bottom walls (1b) are formed as longitudinal segments or sub-sectors (3), in which annular slits (5a, 5b) are arranged. On the outside of each segment (3), a device (6a, 6b) is mounted comprising a longitudinal bar (8a, 8b) supporting two pluralities of small blades (9) designed to penetrate, at predetermined time intervals, through the slits (5a, 5b) so as to maintain these latter disobstructed and to entrain the oil towards the outside. The devices (6a, 6b) are driven by means, causing the small blades (9) to enter and come out said slits radially and at predetermined time intervals. In the tank (1) two twin kneading and mixing rotors are mounted comprising two longitudinal shafts (10a, 10b) rotating in opposite directions, each of which carries lengths of helicoidal blades (11a, 11b) designed to operate in interlacing zones and which angularly extend within a cylindrical sector of an angular amplitude not higher than 180 DEG , as well as longitudinal bars (4a, 4b) carrying comb-like devices (7a,7b) with radial teeth (28). made of elastomeric material, and which slide along the respective inner surface of the walls (1b). The teeth (28) are spaced apart from each other by slots so that the small blades (5) can enter into the tank (1) and then into the slots of the teeth (28) so as to clean also these latter.

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Cited by
ES2140259A1; CN115253375A; WO9113672A3; WO2004011580A1; WO9904655A1

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