

Title (en)
OLIVE PASTE MIXER AND OLIVE PRESSING PLANT

Title (de)
OLIVENPASTE-MISCHER UND OLIVENPRESSANLAGE

Title (fr)
MÉLANGEUR DE PÂTE D'OLIVE ET INSTALLATION DE PRESSAGE D'OLIVES

Publication
EP 4311854 A1 20240131 (EN)

Application
EP 23020355 A 20230726

Priority
IT 202200015879 A 20220727

Abstract (en)
Mixer (10) for olive paste (9) comprising an open top container (1) through which the olive paste (9) flows and provided with a lid (1F); an actuator (2) configured to advance and mix the olive paste (9) in the container (1); a heat exchanger (3) arranged on a lower portion (1C) of the container (1) and placed in thermal communication with the interior (1D) of the container (1) to exchange heat with the olive paste (9) through a lower wall (1f) of the container (1); at least one air injector (4) configured to eject air at a predetermined temperature into the container (1), the at least one air injector (4) is arranged and oriented so that the air ejected from the injector (4) flows over a free surface of the olive paste (9) that flows into the container (1).

IPC 8 full level
C11B 1/06 (2006.01); **B01F 23/234** (2022.01); **B01F 25/20** (2022.01); **B01F 27/72** (2022.01); **B01F 35/91** (2022.01); **B01F 35/92** (2022.01); **C11B 1/08** (2006.01); **B01F 35/90** (2022.01)

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B01F 23/234 (2022.01); **B01F 25/20** (2022.01); **B01F 27/72** (2022.01); **B01F 35/91** (2022.01); **B01F 35/92** (2022.01); **C11B 1/06** (2013.01); **C11B 1/08** (2013.01); **B01F 2035/98** (2022.01); **B01F 2035/99** (2022.01)

Citation (applicant)
• EP 3059298 A1 20160824 - ALFA LAVAL CORP AB [SE]
• EP 3622833 A1 20200318 - GEA WESTFALIA SEPARATOR IBERICA S A [ES]
• EP 2596707 A1 20130529 - UNIV BARI [IT]

Citation (search report)
• [IY] EP 3622833 A1 20200318 - GEA WESTFALIA SEPARATOR IBERICA S A [ES]
• [Y] EP 1553159 A1 20050713 - TENUTA LA NOVELLA S R L [IT]
• [Y] EP 3203864 B1 20190911 - CHRISTODOULOU SPYROS [CY]
• [Y] EP 3059298 A1 20160824 - ALFA LAVAL CORP AB [SE]
• [Y] EP 2596707 A1 20130529 - UNIV BARI [IT]
• [IY] ALESSANDRO LEONE ET AL: "Development of a prototype malaxer to investigate the influence of oxygen on extra-virgin olive oil quality and yield, to define a new design of machine", BIOSYSTEMS ENGINEERING, vol. 118, 1 February 2014 (2014-02-01), pages 95 - 104, XP055144434, ISSN: 1537-5110, DOI: 10.1016/j.biosystemseng.2013.12.002

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