

Title (en)
Mixer, especially for foodstuffs

Title (de)
Mischer, insbesondere für Nahrungsmittel

Title (fr)
Mélangeur en particulier pour denrées alimentaires

Publication
EP 1022054 A1 20000726 (EN)

Application
EP 00300402 A 20000120

Priority
GB 9901105 A 19990120

Abstract (en)
A mixer (1) comprises a vessel (2) having a base portion (3) and an upper portion (4) whose interiors have an axis (S) rotational symmetry, and arms (7) each carrying a plurality of blades (6) which are rotatable about an axis (R) so that edges (9) of the blades (6) sweep across the interior surface of at least the vessel base portion (3), characterised in that said blades (6) are loosely mounted on said arms (7) so that the blades (6) are freely movable in relation to the arms with sufficient freedom of movement about each of three orthogonal axes that their sweeping edges (9) can maintain contact with said interior surface as they sweep across it, and in that the blades (6) are spaced apart along each arm (7) and staggered as between one arm and the next thereby to allow sweeping of substantially the full extent of the interior surface of the base portion (3) of the mixing vessel (2).

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B01F 15/00; **B01F 7/02**

IPC 8 full level
B01F 7/00 (2006.01); **B01F 15/00** (2006.01); **B01F 7/02** (2006.01)

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B01F 27/091 (2022.01); **B01F 27/23** (2022.01); **B01F 27/82** (2022.01); **B01F 27/61** (2022.01)

Citation (search report)

- [XY] EP 0761296 A1 19970312 - VAKUMIX RUEHR UND HOMOGENISIER [DE]
- [Y] FR 2216011 A1 19740830 - FRIGOMAT CIPELLETTI ALBERTO C [IT]
- [ADY] US 3752057 A 19730814 - GROEN F
- [A] GB 2194460 A 19880309 - GUISTI & SON LTD T
- [A] US 4571091 A 19860218 - PARDO WARREN A [US], et al
- [AD] DE 2815946 A1 19791018 - BERENTS GMBH & CO KG A
- [AD] US 4818116 A 19890404 - PARDO WARREN A [US], et al
- [A] EP 0046477 A1 19820303 - HAAGEN & RINAU [DE]

Cited by
US8336731B2; US8763515B2; US8905626B2

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