

Title (en)
MIXER

Publication
EP 0403951 B1 19930512 (DE)

Application
EP 90111187 A 19900613

Priority
• DE 3920589 A 19890623
• DE 3929502 A 19890906

Abstract (en)
[origin: EP0403951A1] A mixer consists of a mixing container (10) which is conically widened at the top and has a spherical-surface base (28) formed by a rotary head (26). Mounted and sealed off in the rotary head is the mixer-screw shaft (32), which projects from below into the mixing container (10). The rotary head is fastened to a supporting rim (24) which is concentrically mounted in a gear housing (22) on the bottom part of the container. The bottom part consists of a central housing (14) which is flange-mounted on the container and has a top conical section (15) extending the container wall and a bottom cylindrical section (18) which in a cylindrical mating bore seals off the cylindrical outer side (42) of the rotary head by means of mechanical face seals (44). Adjoining the bottom flange of the gear housing (22) is the drive mounting (70, 68) which fully encapsulates all movable parts of the drive. <IMAGE>

IPC 1-7
B01F 7/24; **B01F 7/30**

IPC 8 full level
B01F 7/24 (2006.01); **B01F 7/30** (2006.01); **B01F 15/00** (2006.01); **B01F 7/00** (2006.01); **B01F 7/02** (2006.01)

CPC (source: EP US)
B01F 27/953 (2022.01 - EP US); **B01F 35/4121** (2022.01 - EP US); **B01F 27/61** (2022.01 - EP US); **B01F 2035/352** (2022.01 - EP US)

Cited by
EP0498295A1; US5255444A

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AT CH DE ES FR GB IT LI

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EP 0403951 A1 19901227; **EP 0403951 B1 19930512**; AT E89190 T1 19930515; DE 3929502 A1 19910110; DE 3929502 C2 19910418; DE 59001411 D1 19930617; ES 2041076 T3 19931101; IE 902267 A1 19910116; IE 902267 L 19901223; JP H0332732 A 19910213; US 5026169 A 19910625

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