

Title (en)  
Spherical mixer

Title (de)  
Sphärischer Mischer

Title (fr)  
Mélangeur sphérique

Publication  
**EP 1050335 B1 20031126 (FR)**

Application  
**EP 00401238 A 20000505**

Priority  
FR 9905855 A 19990507

Abstract (en)  
[origin: EP1050335A1] The mixer has a transmission tube (70) mounted in rotation, a first axle (80) mounted in rotation inside the transmission tube and a second axle (76) mounted in rotation at the end of the transmission tube and supporting the mixing device (78). The second axle forms an angle alpha with the axis of the transmission tube and is driven in rotation about its own axis by the rotation of the first axle. Preferred Features: The angle alpha is 45-90 degrees. The orientation of the mixing device can be varied relative to the second axle during its rotation and are in the form of segments of a circle. A first motor (66) drives the first axle and a second motor (68) drives the transmission tube. The second axle is driven by the first axle via a gear. An independent claim is also included for a mixing apparatus containing a mixer as above and a receiver (60) with a symmetrical revolution described by the edge of the mixing device. The receiver has an outlet drain in its base.

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

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

CPC (source: EP)  
**B01F 27/95** (2022.01); **B01F 27/2324** (2022.01)

Cited by  
CN106621963A; US7217029B2; FR2849788A1; JP2005254045A

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