

Title (en)
Spherical mixer

Title (de)
Sphärischer Mischer

Title (fr)
Mélangeur sphérique

Publication
EP 1050335 A1 20001108 (FR)

Application
EP 00401238 A 20000505

Priority
FR 9905855 A 19990507

Abstract (en)

The mixer has a transmission tube (70) mounted in rotation, a first axle (80) mounted in rotation inside the transmission tu 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 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 seco 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 symmetr revolution described by the edge of the mixing device. The receiver has an outlet drain in its base.

Abstract (fr)

L'invention propose un mélangeur, comprenant un tube de transmission (70) monté à rotation, un premier arbre (80) monté à rotation à l'intérieur du tube de transmission et un deuxième arbre (76) monté à rotation à l'extrémité du tube de transmission et supportant des organes de mélange (78). Le deuxième arbre (76) forme un angle (a) avec l'axe du tube de transmission et est entraîné en rotation autour de son propre axe par la rotation du premier arbre. Les organes de mélange tournent autour du deuxième arbre, et en même temps, le deuxième arbre tourne dans le récipient du mélangeur. Le récipient (60) présente un fond sphérique, de telle sorte que le fond du récipient est parfaitement balayé par le mouvement des organes de mélange, notamment au-dessus de l'ouverture de vidange du récipient. <IMAGE>

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)

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