

Title (en)
MIXING DEVICE

Title (de)
MISCHGERÄT

Title (fr)
MELANGEUR

Publication
EP 0794831 A1 19970917 (DE)

Application
EP 95941649 A 19951201

Priority
• DE 4443140 A 19941203
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Abstract (en)
[origin: US5746510A] PCT No. PCT/EP95/04747 Sec. 371 Date Apr. 2, 1997 Sec. 102(e) Date Apr. 2, 1997 PCT Filed Dec. 1, 1995 PCT Pub. No. WO96/17677 PCT Pub. Date Jun. 13, 1996A mixing device for mixing free flowing masses in a container includes: a rotating carrier defining a mixing side, a balancing side disposed opposite the mixing side, and a direction of rotation about the rotational axis of the mixing device; a container carrier for carrying the container, the container carrier being disposed on the mixing side of the rotating carrier and further being adapted to rotate counter to the direction of rotation of the rotating carrier; a housing defining a housing center of gravity and being effective as an active balancing weight for the container carrier for balancing moments on the mixing side and on the balancing side; and a counterweight defining a counterweight center of gravity and disposed on the rotating carrier, the counterweight further having a weight matching a tare weight of the housing. The housing and the counterweight are displaceable radially with respect to the rotational axis of the mixing device on the balancing side of the rotating carrier. Additionally, the housing center of gravity and the counterweight center of gravity are located on a common line extending perpendicularly with respect to the rotational axis of the rotating carrier. Moreover, the counterweight and the housing are displaceable counter to one another by an equal distance.

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Cited by
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