

Title (en)  
Biconical rotating mixer.

Title (de)  
Doppelkonus-Drehmischer.

Title (fr)  
Mélangeur rotatif biconique.

Publication  
**EP 0038058 A2 19811021 (DE)**

Application  
**EP 81102804 A 19810411**

Priority  
DE 3014162 A 19800412

Abstract (en)  
1. Double-cone rotary mixer containing a) a mixing vessel composed of two vessel parts (14, 14') which are open on one side and are conically tapered and have on their open sides contact surfaces (18) through which the two vessel parts can be connected to each other by means of releasable clamping devices (8, 8'), b) a rotary shaft (3) which supports the mixing vessel, runs at right angles to the axis of the mixing vessel and is mounted horizontally as a rotary drive for the mixing vessel, characterised by the following features : c) the rotary shaft (3) supports a ring (6) which is provided with the clamping devices (8, 8') and the two vessel parts which are constructed as half-vessels (14, 14') come to rest with their contact surfaces (18) on the end surfaces (7, 7') of the said ring (6), the two half-vessels (14, 14') being capable of being connected individually by means of the clamping devices (8, 8') to the said ring (6), d) the ring (6) is provided with a closure plate (10) which can be tilted between a closed position (Figure 4) in which it fills the internal cross-section of the ring and an open position (Figure 5) in which the communication between the interiors of the two half-vessels (14, 14') is freed.

Abstract (de)  
Ein Doppelkonus-Drehmischer, dessen Doppelkonus-Mischbehälter (14, 14') um eine horizontale, senkrecht zur Behälterachse ausgerichtete Drehachse (3) drehbar ist. Die Drehachse (3) trägt einen Ring (6). Der Ring (6) besitzt an seinen Stirnflächen zwei Ringspannflächen (7, 7') mit Spannvorrichtungen (8, 8'). Eine den Innenquerschnitt des Rings ausfüllende Absperplatte (10) ist um eine Schwenkachse (9) schwenkbar angeordnet. Jeweils zwei Halbbehälter (14, 14') weisen eine zu einer der Ringspannflächen (7, 7') passende Anlagefläche (18) und einen konischen Bodenteil (16) auf.

IPC 1-7  
**B01F 9/00**

IPC 8 full level  
**B01F 9/00** (2006.01)

CPC (source: EP)  
**B01F 29/32** (2022.01)

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**EP 0038058 A2 19811021; EP 0038058 A3 19820811; EP 0038058 B1 19841205**; DE 3014162 A1 19811015; DE 3167550 D1 19850117

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