

Title (en)  
GRAVITY MIXER

Publication  
**EP 0274629 B1 19910918 (DE)**

Application  
**EP 87117443 A 19871126**

Priority  
DE 3700629 A 19870112

Abstract (en)  
[origin: US4775242A] A gravity operated mixing apparatus for pulverulent, granular and liquid materials has an upright vessel with an opening at the top and a sealable pyramidal or conical outlet at the bottom. The opening can be sealed by a closure which carries one or more mixing elements extending into the vessel to contribute to the mixing and/or agglomerating action while the vessel moves up and down and is oscillated or rotated about a horizontal axis to repeatedly raise its contents whereupon the contents descend by gravity and their flow is determined by the number and configuration of mixing elements which need not move relative to the vessel. The vessel can be used as a receptacle for delivery of a charge containing two or more flowable materials to the mixing station as well as for delivery of intermixed materials to the next processing station or stations.

IPC 1-7  
**B01F 9/02**

IPC 8 full level  
**B01F 29/60** (2022.01)

CPC (source: EP US)  
**B01F 29/32** (2022.01 - EP US); **B01F 29/40221** (2022.01 - EP); **B01F 29/40221** (2022.01 - US)

Cited by  
ITRM20110604A1; DE102005046515A1; DE102005046515B4

Designated contracting state (EPC)  
AT BE CH DE ES FR GB LI NL SE

DOCDB simple family (publication)  
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