

Title (en)

Mechanical mixer, in particular for granular or powder material

Title (de)

Mechanischer Mischer, insbesondere für Materialien in Granulat- oder Pulverform

Title (fr)

Mélangeur mécanique, en particulier pour des matériaux pulvérulents ou pour des granulés

Publication

**EP 1182021 A3 20030709 (EN)**

Application

**EP 00204711 A 20001222**

Priority

IT RE20000076 A 20000727

Abstract (en)

[origin: EP1182021A2] The mixer comprises a container (10) enclosing a mixing chamber (11) having a cylindrical wall (12), the axis (A) of which is horizontal or nearly horizontal, and means for rotating the container (10) in both directions about said axis (A), mixing of the material being carried out within said mechanical (11) of the container. For discharging material from the rotating container (10), there is provided on the outer surface of the cylindrical wall (12) a corridor (30) which extends through an arc of the cross-section of the wall (12), and has a first end (30') communicating with the mixing chamber (11) via a passage aperture (31) provided in the cylindrical wall, and a second end (30'') open towards the outside environment; said corridor (30) has a length such that, when said passage aperture (31) of the first end (30') is encountered by the material contained in the mixing chamber (11), the second end (30'') lies at a level higher than the level of the material which enters the corridor (30); the container (10) is rotated in the direction from the second end (30'') towards the first end (30') to discharge material from the chamber (11) via said corridor (30), and in the opposite direction during the mixing stage. <IMAGE>

IPC 1-7

**B28C 5/14**; **B28C 7/16**; **B28C 5/20**; **B01F 15/02**

IPC 8 full level

**B01F 15/02** (2006.01); **B28C 5/14** (2006.01); **B28C 5/20** (2006.01)

CPC (source: EP)

**B01F 35/75** (2022.01); **B01F 35/75485** (2022.01); **B28C 5/141** (2013.01); **B28C 5/2063** (2013.01)

Citation (search report)

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- [X] DE 539752 C 19311202 - USINES DE THISSELT LEZ WILLEBR
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- [X] DATABASE WPI Section Ch Week 198925, Derwent World Patents Index; Class J02, AN 1989-184851, XP002235773

Cited by

CN102500274A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1182021 A2 20020227**; **EP 1182021 A3 20030709**; IT 1318353 B1 20030825; IT RE20000076 A1 20020127

DOCDB simple family (application)

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