

Title (en)

Mixing silo for storing and mixing of pourable solids, in particular powders

Title (de)

Mischsilo zum Lagern und Mischen rieselfähiger Feststoffe, insbesondere von Pulvern

Title (fr)

Silo mélangeur pour le stockage et mélange de solides fluides, notamment de poudres

Publication

EP 1533022 A3 20050803 (DE)

Application

EP 04026966 A 20041112

Priority

DE 10355109 A 20031124

Abstract (en)

[origin: EP1533022A2] The mixing silo (1) for dry loose materials, and especially powders, has an upright tubular mixing container (2) with a center longitudinal axis. The container has an upper entry (4), a wall (3) and an exit (5) in a tapered base (6). A number of mixing channels (15,16) are between the entry and exit, and at least two channels have different channel cross sections, defined by a displacement (21) from a center support structure (8), with displacements of different geometries.

IPC 1-7

B01F 5/24; **B01F 13/02**; **B29B 7/78**; **B28C 5/04**

IPC 8 full level

B01F 33/40 (2022.01); **B28C 5/04** (2006.01); **B29B 7/78** (2006.01)

CPC (source: EP)

B01F 25/50 (2022.01); **B01F 25/83** (2022.01); **B01F 33/406** (2022.01)

Citation (search report)

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- [A] DE 4112884 A1 19921022 - WAESCHLE MASCHF GMBH [DE]
- [A] US 3871626 A 19750318 - WOHLFARTH ARNON
- [A] US 5005983 A 19910409 - DRAFFEN DALE [US], et al
- [A] DE 3512538 A1 19860619 - AVT ANLAGEN VERFAHRENSTECH [DE]
- [A] EP 0565755 A1 19931020 - SILO VERFAHRENS AG [CH]

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DOCDB simple family (application)

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