

Title (en)

SILO FOR STORING, DOSING AND FLOW-MIXING OF BULK MATERIALS CAPABLE OF BEING FLUIDISED

Publication

EP 0527257 B1 19931013 (DE)

Application

EP 91113616 A 19910814

Priority

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Abstract (en)

[origin: EP0527257A1] The silo serves for storing and flow-mixing of powdery bulk materials which are capable of being fluidised, for example cement. The bottom of the silo consists of a relatively steep double cone which consists of the bearing central cone (3) and a sliding and relief cone (10) which is fitted thereon. The annular bottom between the silo wall and the foot of the central cone is fitted with air-conveying grooves (6) which are aerated in sections. The sliding and relief cone (10) covers part of the annular bottom (4) such that an annular emptying channel (7) is produced which is fitted with air-conveying grooves (8) which run substantially tangentially and are inclined slightly towards outlet nozzles (9, 9'). Metering slides (14, 14') control the outlet flows. The annular conical chamber between the two cones is preferably vented (at 11), an exhaust air filter (12) being provided. <IMAGE>

IPC 1-7

B01F 13/02; B65D 88/72

IPC 8 full level

B01F 33/40 (2022.01); **B65D 88/72** (2006.01)

CPC (source: EP)

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Cited by

CN113387072A; CN104803123A; NO20161850A1; NO343343B1

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DE

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