

Title (en)
SILO, ESPECIALLY FOR SLOWLY FLOWING BULK MATERIAL

Publication
EP 0074076 B1 19870225 (DE)

Application
EP 82108035 A 19820901

Priority
DE 3135295 A 19810905

Abstract (en)
[origin: CA1175627A] A storage silo adapted to difficultly-flowing bulk materials to be discharged at the bottom of the silo. A baffle is disposed in a cylindrical container. The baffle is attached to the cylindrical container wall and runs inclined along said wall to the silo bottom. Baffle sections extend along a helical path over a central angle of at least about 360 degrees and are substantially continuously connected. At least some baffle sections following in circumferential direction along the silo wall are staggered with respect to each other increasing with the distance from the bottom. The baffle is preferably provided as a helical band. The pitch angle of the baffle relative to the cylindrical wall can be from about 15 to 30 degrees. A heating element can be provided to allow for heating of at least part of the baffle.

IPC 1-7
B65D 88/64

IPC 8 full level
B65G 65/46 (2006.01); **B65D 88/00** (2006.01); **B65D 88/64** (2006.01); **B65G 65/48** (2006.01)

CPC (source: EP US)
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Cited by
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AT BE CH DE FR LI LU NL SE

DOCDB simple family (publication)
EP 0074076 A1 19830316; EP 0074076 B1 19870225; AT E25510 T1 19870315; CA 1175627 A 19841009; DE 3135295 A1 19830324; DE 3275463 D1 19870402; JP S5882873 A 19830518; US 4531876 A 19850730

DOCDB simple family (application)
EP 82108035 A 19820901; AT 82108035 T 19820901; CA 410797 A 19820903; DE 3135295 A 19810905; DE 3275463 T 19820901; JP 15288382 A 19820903; US 41094782 A 19820824