

Title (en)

MULTI-STAGE PARTICULATE MATERIAL DRYER HAVING CHANNELIZED DISCHARGE

Publication

EP 0068734 A3 19840912 (EN)

Application

EP 82303149 A 19820617

Priority

- US 27531281 A 19810619
- US 27531381 A 19810619

Abstract (en)

[origin: EP0206069A2] A gravity-flow grain dryer (10) for particulate material comprises first and second generally vertical drying columns (68, 100) spaced apart to provide a plenum chamber (112) therebetween, the drying columns each having opposed spaced walls (20, 70, 108, 110) with perforate portions. Drying air is passed through the perforate portions in a treating zone in the columns (68, 100). First and second inputs (32, 72, 90, 96) are provided for introducing particulate material into top portions of the first and second drying columns (68, 100), respectively. First, second, third and fourth discharge means (84, 82, 126, 124) are also provided for removing particulate material from bottom portions of the first and second drying columns (68, 100), respectively. Associated with the first and second discharge means (82, 84) is a dividing wall (76) which extends between a pair of the spaced walls (20, 70) below the treating zone of the column (68) for dividing a bottom portion of the column into at least two channels (78, 80). The first discharge means (84) is associated with a first of the channels (80) and the second discharge means (82) is associated with a second of the channels (78). The first channel (80) is adjacent the first wall (70) and the first discharge means (84) is adapted to discharge particulate material at a rate faster than the second discharge means (82).

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F26B 17/12; **F26B 25/00**

IPC 8 full level

F26B 17/12 (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP)

F26B 17/122 (2013.01); **F26B 25/002** (2013.01)

Citation (search report)

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EP 0206069 A2 19861230; **EP 0206069 A3 19870225**; AR 226984 A1 19820831; AU 565672 B2 19870924; AU 582301 B2 19890316; AU 7055187 A 19870709; AU 8470282 A 19821223; BR 8203554 A 19830607; CA 1176053 A 19841016; DE 3278292 D1 19880505; DK 259682 A 19821220; DK 468988 A 19880819; DK 468988 D0 19880819; EP 0068734 A2 19830105; EP 0068734 A3 19840912; EP 0068734 B1 19880330; GR 76498 B 19840810; HU 189147 B 19860630; HU T35834 A 19850729; NZ 200681 A 19870306

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