

Title (en)
MULTI-STAGE PARTICULATE MATERIAL DRYER HAVING CHANNELIZED DISCHARGE

Publication
EP 0068734 B1 19880330 (EN)

Application
EP 82303149 A 19820617

Priority
• US 27531281 A 19810619
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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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Cited by
CN113280610A; CN106679393A; CN109095017A; GB2338286A; GB2338286B; AU2004274520B2; AU2010100952B4; AU2004274520C1; AU582301B2; WO2005028977A1

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