

Abstract

**Bulk conveying and distribution system, Method for
5 controlling the same and Pneumatic conveying method**

Bulk conveying and distribution system, Method for
controlling the same and Pneumatic conveying method. The
10 bulk conveying and distribution system has a duct system
(2) and a supply equipment (1) for supplying air and
flowable bulk material into the duct system (2). The duct
system (2) comprises a plurality of distribution ducts
(22). Each of the distribution ducts (22) has an outlet
15 control valve (23) to open and close the distribution duct
(22). Before starting pneumatic conveyance of the bulk
medium, a steady air flow route is established through the
duct system and a selected one of the distribution ducts,
while establishing a cushioning effect of pressurized air
20 within the duct system outside the air flow route.
Thereby, without using baffle valves at turning positions
R, a steady flow of fluidized bulk material along the air
flow route is established once the bulk material is
introduced into the duct system.

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Fig. 3