

Title (en)

DEVICE FOR PNEUMATICALLY INJECTING PULVERULENT MATERIALS INTO A PRESSURE VESSEL, AND ITS USE IN INJECTING PULVERULENT COAL INTO A SHAFT FURNACE

Publication

**EP 0212296 A3 19880302 (FR)**

Application

**EP 86110057 A 19860722**

Priority

LU 86048 A 19850821

Abstract (en)

[origin: US4702288A] An apparatus is presented for the pneumatic injection of pulverulent materials into a pressurized vessel, comprising a storage silo, a distribution silo, a series of metering devices for extracting the pulverulent materials from the distribution silo, pneumatic conveying pipes connecting each of the metering devices to the vessel, and also a device for the automatic transfer of the pulverulent material from the storage silo (which is under substantially atmospheric pressure) to the distribution silo in which a pressure higher than that in vessel prevails. An important feature of the present invention is the presence of two intermediate silos each connected via automatic valves, upstream to the storage silo and, downstream, to the distribution silo; and by a pressurizing circuit connecting a source of inert gas under pressure through automatic valves to each of the intermediate silos.

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CPC (source: EP US)

**C21B 5/003** (2013.01 - EP US)

Citation (search report)

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