

Title (en)

Automatic interior cleaning system for a powdered material processing device

Title (de)

Automatisches Innenreinigungssystem für eine Vorrichtung zum Bearbeiten von pulverförmigen Materialien

Title (fr)

Système automatique de nettoyage de l'intérieur d'un dispositif de traitement de matériaux pulvérulents

Publication

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Application

EP 95117438 A 19951106

Priority

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- JP 2998595 A 19950125

Abstract (en)

[origin: EP0723821A1] An automatic interior cleaning system for a powdered material processing device cleans interior surfaces of powdered material processing devices such as silos, mixers, and dust collectors. A compressor and an accumulator tank (7) supply a cleaning gas, preferably air, at a sufficient pressure to dislodge residues of powdered materials that collect on interior surfaces of a powdered material processing device. A valve (6) connecting the accumulator tank (7) to a cleaning nozzle tube opens (4) and closes, supplying a pulse of air to the cleaning nozzle tube (4). Slits (5) in the cleaning nozzle tube (4) deliver the pulse of pressurized air to an inside surface of the powdered material processing device. The pulse of pressurized air produces a shock wave which dislodges residues from the interior surface of the powdered material processing device. Automatic removal of residues during processing prevents contamination of subsequently processed materials. <IMAGE>

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