

Title (en)

DEVICE FOR REMOVING FINE-GRAINED OR DUST-LIKE SOLIDS FROM A CONTAINER

Title (de)

VORRICHTUNG ZUR AUSTRAGUNG VON FEINKÖRNICEM ODER STAUBARTIGEM FESTSTOFF AUS EINEM BEHÄLTER

Title (fr)

DISPOSITIF SERVANT À EXTRAIRE UNE MATIÈRE SOLIDE À GRAINS FINS OU PULVÉRULENTE D'UN RÉSERVOIR

Publication

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Application

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Abstract (en)

[origin: WO2009109286A2] The invention relates to a device for removing fine-grained or dust-like solids from a container that is to be pressurised or that is pressurised. Said container is fitted with a double-walled removal cone or funnel. The aim of the invention is to avoid using, in particular, porous materials such as sinter metals or similar, whilst providing good conveying properties in the transfer funnel without reducing the size of the grain of the respective material. Particle-charged gas for conveying can be also used. This is achieved due to the fact that the gas outlet opening is larger than the largest particle of the removed solids and that said gas outlet openings (4) are provided with a tube support or gas supply channel (4a) extending into the inside of the annular chamber (6) and forming at least one angle having an imaginary horizontal plane and that the gas supply channel (4a) is part of a retaining device (12) for preventing solids from trickling into the annular chamber (6).

IPC 8 full level

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Citation (search report)

See references of WO 2009109286A2

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