

Title (en)

METHOD AND DEVICE FOR RECEIVING AND HANDING OVER FINE-GRAIN TO COARSE-GRAIN SOLIDS FROM A CONTAINER TO A HIGHER PRESSURE SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUFNAHME UND ÜBERGABE VON FEIN- BIS GROBKÖRNIGEN FESTSTOFFEN AUS EINEM BEHÄLTER IN EIN SYSTEM HÖHEREN DRUCKES

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA RÉCEPTION ET LE TRANSFERT DE MATIÈRES SOLIDES EN GRAINS FINS À GROSSIERS D'UN RÉCIPIENT VERS UN SYSTÈME À PRESSION PLUS ÉLEVÉE

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Application

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Abstract (en)

[origin: WO2009097969A1] The invention relates to a device (1) and a method for receiving and handing over fine-grain to coarse-grain solids from a container to a higher pressure system via a cut-off device. The device and method according to the invention allow improvement of the hand-over of the solids while reliably guaranteeing the solids transport even for difficult bulk materials, high operational flexibility when used for various bulk materials and high flow rates towards the receiving container while avoiding compression of the bulk material. The device is characterized by at least one vertical central tubular body (2) (central tube) which is arranged inside the container (1') at a distance in the direction of gravitation (g) upstream of the cut-off device (18) and which is open at the top and at the bottom, and by gas supply devices (4, 7) impinging the container bottom (19) and/or the central tube (2) to produce a solids flow in the central tube.

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