

Title (en)
Method for the continuous conditioning, particularly thermal conditioning of particulate material, preferably vegetable particulate material such as cereals, herbs, tobaccos and the like

Title (de)
Verfahren zum fortlaufenden Konditionieren, insbesondere thermischen Konditionieren, von Schüttgütern, vorzugsweise pflanzlichen Schüttgütern, wie Getreide, Kräuter, Tabak oder dergleichen

Title (fr)
Procédé pour le conditionnement en continu, notamment pour le conditionnement thermique de matière particulaire, de préférence matière particulaire végétale comme les céréales, les herbes, le tabac ou analogues

Publication
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Application
EP 92106304 A 19920411

Priority
DE 4119787 A 19910615

Abstract (en)
[origin: EP0519173A1] For continuous conditioning, particularly thermal conditioning, such as cooling, warming, drying, moistening and the like, of particulate material, preferably vegetable particulate material such as cereals, herbs, tobacco and the like, the particulate material is continuously conveyed mechanically along a conveyor belt leading through a closed, tunnel-like conditioning station and is exposed, in the conditioning station, to the influence of a substantially gaseous heat exchange medium guided to the conditioning station through at least one aperture. The heat exchange medium is tightly bundled on passing through the aperture (6, 6', 6'') and is then guided as a free jet (8) through the particulate material, forcing the particulate material aside, in such a way that deflection of the jet (8) in all directions is effected at a wall (2) of the conditioning station lying opposite the aperture. The deflected parts (10) of the jet are sucked, by the pumping action of the free jet, downwards and back into the range of action of the free jet, and the particulate material is compressed, in a movement aligned at right angles to the free jet, between the vacuum region (9) of the upward-directed free jet and the excess pressure region of the downward-directed parts of the jet. <IMAGE>

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