

Title (en)
DRYING DEVICE

Title (de)
TROCKNUNGSVORRICHTUNG

Title (fr)
INSTALLATION DE SECHAGE

Publication
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Application
EP 00914384 A 20000329

Priority
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Abstract (en)
[origin: WO0060296A1] Devices for drying poultry manure, for example, are known in practice. Two or more belt conveyors (5, 8, 9, 10) with a perforated conveyor belt (5a, 8a, 9a, 10a) are arranged above one another in a drying chamber (20). The belt conveyors (5, 8, 9, 10) divide the drying chamber (20) into alternating top compartments (24) and bottom compartments (23). The bottom compartments (23) are in communication with a pressure chamber (14) via inlet openings (30), while the top compartments (24) are in communication with the environment via outlet openings (31). To ensure that, at least during operation, there is only a flow of air from a bottom compartment (23) to a top compartment (24) located directly above it in the drying chamber (20), a partition element is arranged between a bottom compartment (23) and the top compartment (24) located immediately below it. The invention is based on the insight that the partition element can be omitted from the device if a bottom compartment (23) and the top compartment (24) located immediately below it are at substantially the same pressure.

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WO 0060296 A1 20001012; AT E273495 T1 20040815; AU 3577200 A 20001023; DE 60012902 D1 20040916; DE 60012902 T2 20050811; EP 1166024 A1 20020102; EP 1166024 B1 20040811; ES 2223482 T3 20050301; NL 1011729 C2 20001003

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