

Title (en)

ROTARY DRUM FOR DRYING POURABLE GOODS

Title (de)

DREHTROMMEL ZUM TROCKNEN VON RIESELFÄHIGEM GUT

Title (fr)

TAMBOUR ROTATIF POUR LE SECHAGE D'UN MATERIAU COULANT

Publication

EP 0917640 A1 19990526 (DE)

Application

EP 97937538 A 19970731

Priority

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- EP 9704185 W 19970731

Abstract (en)

[origin: DE19631998C1] Directly heated rotary drums are used in the drying of pourable goods such as wood chips or strands. Drums are provided with built-in fixtures such as cross fixtures, in order to ensure good heat transmission from the drying gas to the goods. The invention comprises a design for a rotary drum (4) which enables good transmission of drying gas to the goods and which is cheap to produce and assemble in comparison with cross fixtures. According to the invention the built-in fixtures in the rotary drum (4) extend radially in the direction of the middle of the drum, starting from the perimeter, over an area of 60 to 85 % of the radius of the rotary drum (4), form at least two pockets, and run, apart from the area close to the perimeter, substantially in the direction of rotation (25), in front of the radial starting from their point of attachment. These radially shaped built-in fixtures enable constant distribution of the goods over the cross-section and are substantially cheaper to manufacture and assemble.

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CPC (source: EP US)

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