

Title (en)

MULTISTAGE CONTINUOUS MICROWAVE DRYER FOR PLATE-SHAPED PRODUCTS, ESPECIALLY FIBER BOARDS

Title (de)

MIKROWELLEN-DURCHLAUFTROCKNER IN MEHRETAGENBAUWEISE FÜR PLATTENFÖRMIGE PRODUKTE, INSBESONDERE FASERPLATTEN

Title (fr)

TUNNEL DE SECHAGE A MICRO-ONDES A PLUSIEURS ETAGES POUR PRODUITS EN FORME DE PLAQUES, NOTAMMENT DES PANNEAUX DE FIBRES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006056175A1] The aim of the invention is to create a multistage continuous microwave dryer for plate-shaped products, especially fiber boards, using microwave energy as a drying means while taking preventive steps that allow for an optimal drying process of the fiber boards. Said aim is achieved by disposing the rod antennas (12) above each plane of conveyance of the continuous microwave dryer (1), embodying the belt conveyor (6, 7, 8) on the respective plane of conveyance as a metallic perforated belt that can be effective as a reflective shield for the rod antennas, placing means (13a, 13b) for sucking off humid air between the rod antennas (12), said means acting as a reflective shield, and connecting the means for sucking off humid air to a common negative pressure source.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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