

Title (en)
UNIT FOR DRYING GYPSUM PLASTER BOARD

Title (de)
ANLAGE ZUM TROCKNEN VON DURCHLAUFENDEN GIPSKARTONPLATTEN

Title (fr)
INSTALLATION DE S CHAGE DE PLACOPL TRES

Publication
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Appication
EP 02776940 A 20020823

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Abstract (en)
[origin: DE10146179C1] Modern drying units for gypsum plaster board have a feed device, comprising several roller feed units (1) arranged in levels one above the other. The drying section is generally divided into several zones (3 to 7), in particular three longitudinally ventilated zones (4 to 6), being two high temperature zones (4, 5) and a subsequent low temperature zone (6). Due to the high production capacity of the upline production plant and the necessarily long residence time, drying units are very long. According to the invention, black boards (19) are arranged above and below the individual roller feed units (1) in the high temperature zones (4, 5), which extend across the width of the roller feed units (1). The boards (19) are heated exclusively by means of the flowing drying air to an elevated temperature, and transmit additional heat to the through-flowing gypsum plaster board (16) by radiation. It is possible to reduce the length of the drying unit due to the increased heat transfer coefficient.

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IPC 8 full level
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