

Title (en)

Apparatus for the thermal treatment of a padding material formed from fibres with a thermosetting bonding material.

Title (de)

Vorrichtung zur Warmbehandlung einer Fasermatte mit Wärmehärtbarem Bindemittel.

Title (fr)

Appareil pour le traitement thermique d'un matelas de fibres portant un liant thermoducissable.

Publication

**EP 0000111 A1 19781220 (FR)**

Application

**EP 78400014 A 19780607**

Priority

FR 7717642 A 19770609

Abstract (en)

1. Apparatus for heat treating a fibrous mat carrying a heat hardenable fiber binder comprising conveyor mechanism for advancing the fibrous mat through a treatment path, gas circulation boxes arranged at opposite sides of the mat in said path and defining a zone of thermal treatment, gas supply and exhaust ducts respectively connected with said circulation boxes and providing for passage of heated gas through the fibrous mat in said treatment zone, characterized in that it comprises in the downstream part of the treatment zone a pair of supply (33) and exhaust (38) gas circulation manifolds positioned within the circulation boxes (18, 19) and defining a localized treatment area within and smaller than said treatment zone, and heated gas circulating means associated with said manifolds and circulating heated gas through the fibrous mat at a pressure higher than that of the gas passed through the fibrous mat from one circulation box to another one.

Abstract (fr)

L'invention a pour objet une technique de traitement thermique de matelas formés de fibres de matières minérales comme le verre, renfermant un liant réticulable à chaud tel qu'une résine thermodurcissable. Le procédé et le dispositif décrits assurent le transport continu du matelas à travers une étuve (6) de traitement thermique possédant plusieurs zones de traitement. (A à F) Dans un mode d'exécution, on effectue le traitement thermique à l'intérieur de l'une au moins de ces zones (E) par passage d'un premier gaz chauffé, tel que de l'air, à travers le matelas et, dans une région localisée de cette zone (HP1), par passage d'un second gaz chauffé sous une pression supérieure à celle utilisée dans les portions voisines de ladite zone.

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