

Title (en)

Apparatus and method for the wet heat treatment of continuous textile substrates

Title (de)

Vorrichtung und Verfahren zur Wärmebehandlung mittels einer Flüssigkeit von durchlaufenden textilen Substraten

Title (fr)

Dispositif et procédé pour le traitement thermique par voie humide des substrats textiles continus

Publication

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Application

EP 03425673 A 20031016

Priority

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Abstract (en)

A continuously operating apparatus (1) for the wet heat treatment of a continuous textile substrate (2) advancing in a predetermined direction is described, the apparatus (1) comprising: a unit (3) for hydro-thermal treatment of the textile substrate (2), comprising a chamber (32) able to contain a heated treatment fluid (35); a group (40) for conveying the textile substrate (2) into the hydro-thermal treatment unit (3); and a group (41) for conveying the textile substrate (2) out of the hydro-thermal treatment unit (3), characterized in that it also comprises pressure sealing groups (50,51), said pressure sealing groups being associated with said substrate conveying groups (40,41) so as to close said chamber (32) in a substantially sealed manner so that the treatment fluid (35) may be pressurized to a pressure higher than atmospheric pressure.

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Citation (search report)

- [DX] US 4152908 A 19790508 - BERTOLDI ATTILIO
- [A] US 3048992 A 19620814 - KOICHI NAKAGUCHI
- [A] FR 1327464 A 19630517 - KLEINWEFERS SOEHNE J
- [A] FR 1194063 A 19591106

Cited by

EP2065501A1

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