

Title (en)

Method and device for the continuous heat treatment of a textile fabric, particularly for fixing of dyestuffs

Title (de)

Verfahren und Vorrichtung zur kontinuierlichen Wärmebehandlung einer textilen Warenbahn, insbesondere zum Farbfixieren

Title (fr)

Procédé et dispositif pour le traitement thermique continu d'une étoffe textile, notamment pour le fixage des matières colorantes

Publication

EP 1063337 A3 20020130 (DE)

Application

EP 00110489 A 20000517

Priority

DE 19924433 A 19990528

Abstract (en)

[origin: EP1055763A2] Wet fabrics (1) are steamed after treating with reactive dyes by passing them through superheated steam at 150 to 230 degree in a horizontal path. Steam is blown from jet chambers (15) arranged above and below the fabric. The moisture content of printed fabrics is reduced from 15 - 25% to 3 - 7%. The residence time in the chamber (12) is 5 to 60 secs, especially 10 to 20 secs. An Independent claim is also included for a steam treatment chamber (12) with jet chambers (15) and circulating fans (14). fabric (1) is carried through the chamber on a perforated conveyor (41) with 50 to 90% clear area.

IPC 1-7

D06B 19/00

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [X] DE 2658863 B1 19780420 - HOECHST AG
- [A] EP 0297029 A1 19881228 - BENNINGER AG MASCHF [CH]
- [A] FR 1090013 A 19550325
- [DA] WO 9714839 A2 19970424 - MONFORTS TEXTILMASCHINEN GMBH [DE], et al
- [DA] DE 19546344 A1 19970619 - BABCOCK TEXTILMASCH [DE]
- [X] US 3234662 A 19660215 - ALEXEFF ALEXANDER V, et al
- [A] FR 1536604 A 19680816 - CONTINENTAL GUMMI WERKE AG

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