

Title (en)

Method for the continuous steam treatment of a textile fabric to fix reactive dyestuffs on natural fibres

Title (de)

Verfahren zur kontinuierlichen Behandlung einer textilen Warenbahn mit Dampf zum Fixieren von Reaktivfarbstoff auf nativen Fasern

Title (fr)

Procédé pour le traitement continu à la vapeur d'une étoffe textile pour le fixage des colorants réactifs sur des fibres naturelles

Publication

**EP 1055763 B1 20061018 (DE)**

Application

**EP 00110496 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 8 full level

**D06B 19/00** (2006.01); **D06B 23/04** (2006.01); **D06B 23/16** (2006.01)

CPC (source: EP US)

**D06B 19/0035** (2013.01 - EP US); **D06B 23/04** (2013.01 - EP US); **D06B 23/16** (2013.01 - EP US)

Citation (examination)

- EP 0021055 A1 19810107 - HOECHST AG [DE]
- GB 1090003 A 19671108 - ICI LTD

Cited by

CN108118435A; CN107628448A; EP2221404A3; CN102634949A; WO2004016846A1; EP2982791A1; DE102014011696A1; US10465313B2

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