

Title (en)

Steam chamber, particularly in a steaming device for textile fabrics

Title (de)

Dampfraum, insbesondere in einem Dämpfer für textile Warenbahnen

Title (fr)

Chambre de vaporisation, notamment dans un dispositif pour le vaporisation des étoffes textiles

Publication

**EP 1020556 A3 20010117 (DE)**

Application

**EP 99123405 A 19991124**

Priority

DE 19900748 A 19990112

Abstract (en)

[origin: EP1020556A2] The assembly to steam fabric piecegoods has a system to determine the saturation level of the steam for use in the enclosed steaming zone (16) The steam saturation rate is established by the volume of fluid condensed from the steam in a given time span at a solid surface with a surface temperature below the evaporation point. A measurement unit (10) is calibrated before the steamer is operated, with the various steam saturation rates. An Independent claim is included for a textile fabric steamer with a measurement unit (10) to determine the saturation rate of the steam used for the steaming process in the steaming zone (16). Preferred Features: A solid body is in the steaming zone (16), with a surface temperature maintained below the steam evaporation point, for the steam to condense into droplets. The solid body is maintained at a constant temperature by a fluid carried in a pipe system (17) of a material with good thermal conductivity. The condensed droplets are caught by a funnel (30) with a catch cross section (19) matching the outline (27) of the unit. The pipes (17) within the outline are as coils, or in a serpentine structure and the like. The funnel (30) opens into a condensation collection channel (28), leading out through the wall (15) of the steaming zone (16) into a measurement station (29) where the volume of caught condensed fluid is measured.

IPC 1-7

**D06B 17/00**; D06B 19/00

IPC 8 full level

**D06B 17/00** (2006.01); **D06B 19/00** (2006.01)

CPC (source: EP)

**D06B 17/00** (2013.01); **D06B 19/0035** (2013.01)

Citation (search report)

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- [X] US 3899902 A 19750819 - CONTI FULVIO
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Cited by

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**EP 1020556 A2 20000719**; **EP 1020556 A3 20010117**; DE 19900748 A1 20000720; DE 19900748 C2 20010308

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