

Title (en)

TEXTILE MACHINE WITH RECIRCULATING AIR HEATING EFFECTED BY GAS-HEATED HEAT EXCHANGERS

Title (de)

TEXTILMASCHINE MIT UMLUFTHEIZUNG DURCH GASBEHEIZTE WÄRMETAUSCHER

Title (fr)

MACHINE TEXTILE, A CHAUFFAGE A AIR PULSE, ACTIONNEE PAR DES ECHANGEURS DE CHALEUR CHAUFFES AU GAZ

Publication

EP 1525424 A1 20050427 (DE)

Application

EP 03787311 A 20030711

Priority

- DE 0302326 W 20030711
- DE 10233754 A 20020725

Abstract (en)

[origin: DE10233754A1] A textile web is treated by hot circulating air (1) which is heated via a heat exchanger with two burners (9, 10) and flame pipes (11, 13) which are transverse to the direction of incoming air flow through the suction chamber. Each burner (9, 10) is esp. associated with an individual heat exchanger occupying half (7, 8) of the suction chamber. The two flame pipes (11, 13) are presented transverse to the direction of incoming air (1) and together extend the full width of the chamber. Each of the flame pipes extends only over one half (7, 8) of the chamber. The division (18, 19) between the two pipes is located either in the air inlet zone or the air outlet zone and incorporates a temperature sensor (20, 21) and temperature control unit (22, 23) associated with the respective burner (9, 10).

IPC 1-7

F26B 21/00; **F24H 3/08**; **F28D 7/00**

IPC 8 full level

F24H 3/08 (2006.01); **F26B 21/00** (2006.01); **F28D 7/00** (2006.01)

CPC (source: EP US)

F24H 3/087 (2013.01 - EP US); **F26B 21/002** (2013.01 - EP US); **F28D 7/0066** (2013.01 - EP US); **F28D 7/0083** (2013.01 - EP US)

Citation (search report)

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DE 10233754 A1 20040219; **DE 10233754 B4 20051124**; AU 2003254626 A1 20040303; BR 0305666 A 20041019; CN 1564927 A 20050112; EP 1525424 A1 20050427; US 2005000113 A1 20050106; WO 2004017004 A1 20040226

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