

Title (en)  
Hot air drier for warp sizer

Title (de)  
Heisslufttrockner für Schlichtanlage

Title (fr)  
Dispositif de séchage à air chaud pour installation d'encollage de fils de chaîne

Publication  
**EP 1079011 A3 20040107 (EN)**

Application  
**EP 00303660 A 20000502**

Priority  
JP 12552299 A 19990506

Abstract (en)  
[origin: EP1079011A2] Along a running path of warp there are provided two hot air circulating and exhausting systems (1a,1b) for circulating air and exhausting a part of the hot air outside each comprising a drying chamber (4a,4b), through which hot air flows in the direction opposite to that of the running warp (3), and a hot air blower unit (2a,2b). An exhausted air recovering duct is provided to connect between the upstream hot air blower unit (2a) and the downstream system for sending exhausted hot air from the downstream system. Both of the drying chambers (4a,4b) in the upstream and downstream systems are connected with each other so that the warp (3) is allowed to run through the connected portion with the chambers (4a,4b) being isolated from external air. In the drying chamber (4a) in the upstream system, there is provided an air flow resister for reducing the cross sectional area of the passing hot air flow in a hot air path between a hot air outlet opening (13) and a hot air inlet opening (14). <IMAGE>

IPC 1-7  
**D03J 1/00**; **F26B 13/10**; **D06C 7/00**

IPC 8 full level  
**D06B 3/04** (2006.01); **D02H 5/02** (2006.01); **D03J 1/00** (2006.01); **F26B 13/10** (2006.01)

CPC (source: EP KR)  
**D03J 1/00** (2013.01 - EP); **F26B 13/10** (2013.01 - EP KR)

Citation (search report)

- [A] US 4026036 A 19770531 - TANAKA MASAYOSHI
- [E] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 10 17 November 2000 (2000-11-17)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01 28 February 1995 (1995-02-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 470 (C - 0769) 15 October 1990 (1990-10-15)

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KR100540634B1; CN114318731A; CN101985797A; CN111334953A

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