

Title (en)

Device for drying a web printed in a printing machine

Title (de)

Vorrichtung zum Trocknen der in einer Druckmaschine bedruckten Bahn

Title (fr)

Dispositif pour sécher une bande imprimée dans une machine d'impression

Publication

EP 1790471 A3 20110302 (DE)

Application

EP 06023522 A 20061113

Priority

IT MI20052190 A 20051116

Abstract (en)

[origin: EP1790471A2] Device has a drying hood (6) over a first printing unit (1) and a second printing unit (5). The drying hood is equipped with a roller conveyor for guiding the paper web (2) with increasing movement and has a blowing device (11). A device for heating the paper web is provided parallel to the first roller conveyor. In the upper part of the drying hood reversing rollers (8,9) are provided, which are followed by a roller conveyor, in order to guide the paper web in downward movement after reversing. Parallel to the other roller conveyor, a blowing device (12) and a device for heating are provided, which act on the paper web moving downward. A chamber (13) is provided in the section which is confined through the ascending paper web and in the other section which is confined through the downward running paper web. Hot air streams are blown through the chamber onto the moving paper web and the roller conveyors (7,10) and the blowing device and the blowing chamber are accommodated in a hood, which is connected with a gas exhaust device (20) in interacting manner.

IPC 8 full level

B41F 23/04 (2006.01)

CPC (source: EP KR)

B41F 23/00 (2013.01 - KR); **B41F 23/04** (2013.01 - KR); **B41F 23/0426** (2013.01 - EP)

Citation (search report)

- [Y] DE 19644551 A1 19980430 - ZAFFIGNANI ANGELO [AT], et al
- [Y] DD 247416 A1 19870708 - POLYGRAPH LEIPZIG [DD]
- [A] US 4233901 A 19801118 - MALLINSON LEONARD B
- [A] EP 0658427 A1 19950621 - SEBALD U E [DE]
- [A] AT 376931 B 19850125 - ZIMMER JOHANNES [AT]
- [A] EP 0553799 A1 19930804 - CERUTTI SPA OFF MEC [IT]

Cited by

WO2021018435A1; US11433661B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1790471 A2 20070530; EP 1790471 A3 20110302; CN 101041283 A 20070926; CN 101041283 B 20100623; IT MI20052190 A1 20070517; KR 101041649 B1 20110614; KR 20070052212 A 20070521

DOCDB simple family (application)

EP 06023522 A 20061113; CN 200610171808 A 20061116; IT MI20052190 A 20051116; KR 20060112684 A 20061115