

Title (en)

RADIATION DEVICE FOR TREATING A FIBER WEB AND/OR ELIMINATING BUBBLES OF A COATING OF A FIBER WEB AND METHOD OF TREATING A FIBER WEB AND/OR ELIMINATING BUBBLES OF A COATING OF A FIBER WEB BY RADIATION

Title (de)

STRAHLUNGSVORRICHTUNG ZUR BEHANDLUNG EINER FASERBAHN UND/ODER ZUR BESEITIGUNG VON BLASEN EINER BESCHICHTUNG EINER FASERBAHN UND VERFAHREN ZUR BEHANDLUNG EINER FASERBAHN UND/ODER ZUR BESEITIGUNG VON BLASEN EINER BESCHICHTUNG EINER FASERBAHN DURCH STRAHLUNG

Title (fr)

DISPOSITIF DE RAYONNEMENT POUR TRAITER UN VOILE ET/OU ÉLIMINER DES BULLES D'UN REVÊTEMENT D'UN VOILE ET PROCÉDÉ DE TRAITEMENT D'UN VOILE ET/OU ÉLIMINER DES BULLES D'UN REVÊTEMENT D'UN VOILE PAR RAYONNEMENT

Publication

**EP 3327395 A1 20180530 (EN)**

Application

**EP 16201040 A 20161129**

Priority

EP 16201040 A 20161129

Abstract (en)

The invention relates to a radiation device (12) for treating a fiber web (11) and/or eliminating bubbles of a coating of a fiber web (11), which radiation device (12) comprises an electric power source (14) and a radiation unit (13) having more than one radiation resistor (15) connected to the power source (14), which radiation unit (13) is arranged in a lattice form comprising at least two parallel lattice elements (16) to provide a radiation surface, which is directed towards the fiber web (11), which is treated by thermal radiation radiating from the radiation resistors (15). The radiation resistors (15) are made of graphite and that coverage relation of the radiation surface area and the fiber web surface area effected by the radiation is 70 - 120 % provided by the graphite radiation resistors (15). The invention relates also to a method of treating a fiber web and/or eliminating bubbles of a coating of a fiber web by radiation device to be carried out by the radiation device.

IPC 8 full level

**F26B 3/28** (2006.01); **F26B 3/30** (2006.01); **F26B 13/00** (2006.01)

CPC (source: EP)

**F26B 3/28** (2013.01); **F26B 3/30** (2013.01); **F26B 13/00** (2013.01)

Citation (applicant)

- US 2003110659 A1 20030619 - MOHR WOLFGANG [DE], et al
- GB 2332844 A 19990630 - LEECH JONATHAN PATRICK [GB]
- US 4202112 A 19800513 - DER ELTZ HANS-ULRICH VON [DE], et al
- US 4100395 A 19780711 - BALLARD JULES

Citation (search report)

- [X] JP 2002015711 A 20020118 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP 2012020506 A 20120202 - NK WORKS KK
- [A] US 5261165 A 19931116 - TATE SETSUO [JP]
- [A] WO 8703077 A1 19870521 - RADIANT TECHNOLOGY CORP [US]
- [A] US 2012328272 A1 20121227 - FUJITA YUUKI [JP], et al

Cited by

US11255051B2; US11591755B2; US11313061B2; US11788221B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3327395 A1 20180530**

DOCDB simple family (application)

**EP 16201040 A 20161129**