

Title (en)
METHOD FOR THE REGULATED AND CONTROLLED RE-DAMPENING AND DRYING OF PAPER WEBS AND CORRESPONDING DEVICE

Title (de)
VERFAHREN ZUR GEREGLTEN UND GESTEUERTEN WIEDERBEFEUCHTUNG UND TROCKNUNG VON PAPIERBAHNEN UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)
PROCEDE DESTINE A REGLER ET A COMMANDER LA RE-HUMIDIFICATION ET LE SECHAGE DE BANDES DE PAPIER ET DISPOSITIF CORRESPONDANT

Publication
EP 3072700 B1 20190508 (DE)

Application
EP 16160471 A 20160315

Priority
DE 102015104382 A 20150324

Abstract (en)
[origin: JP2016180581A] PROBLEM TO BE SOLVED: To provide a method of changing a relative humidity of a printing base material capable of uniformly drying the printing base material or a printed matter to be optimally applied in processing of a printing base material web and the like and to unify a dryness with a desired residual humidity.SOLUTION: In a method of changing a relative humidity of a printing base material by a drying unit 1 including a plurality of drying elements 14 disposed in a crosswise direction with respect to a conveying direction of the printing base material and facing the direction of the printing base material to dry the printing base material with each drying strength, the drying elements can be individually controlled so that a printing base material web 2 or a printed matter can be particularly uniformly dried, as a result, the desired residual humidity can be achieved, and the optimum and uniform dryness for processing of the printing base material web and the like can be achieved. For this purpose, at least two drying elements are controlled so that different drying strength is applied to at least each of two regions in the crosswise direction to the conveying direction of the printing base material.SELECTED DRAWING: Figure 1

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Citation (opposition)
Opponent : Koenig & Bauer AG,
• EP 1306223 A2 20030502 - HEWLETT PACKARD CO [US]
• US 2014366760 A1 20141218 - BOLAND STUART J [US], et al
• US 5592751 A 19970114 - GUGGEMOS ADOLF [DE], et al
• EP 2258553 A1 20101208 - WIFAG MASCHF AG [CH]
• WO 2007010088 A1 20070125 - STORA ENSO OYJ [FI], et al

Cited by
DE102015222753B4; CN110605923A; EP3251854A3; CN112874197A; EP3960479A1; WO2022043307A1

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