

Title (en)

METHOD AND SYSTEM FOR IMPREGNATING AND DRYING A CONTINUOUS PAPER WEB

Title (de)

VERFAHREN UND ANLAGE ZUM IMPRÄGNIEREN UND TROCKNEN EINER DURCHLAUFENDEN PAPIERBAHN

Title (fr)

PROCÉDÉ ET INSTALLATION DESTINÉS À L'IMPRÉGNATION ET AU SÉCHAGE D'UNE BANDE DE PAPIER DÉFILANTE

Publication

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Application

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Abstract (en)

[origin: CA2820615A1] The invention relates to a method for impregnating and drying a continuous paper web (1) by means of a urea resin dissolved in water, and to a corresponding system. Such paper webs (1) are employed for example as furniture foil or floor laminate, wherein in the known art melamine resin is used exclusively for bonding to a substrate. This is relatively expensive. Therefore the object of the invention is to create a method in which the paper web (1) which is impregnated by means of urea resin can be bonded to the substrate with a high degree of operational reliability. Said object is achieved in that the temperature of the paper web (1) is determined separately in each of the drying zones (3.1, 3.2, 3.3, 3.4), that for each of the drying zones (3.1, 3.2, 3.3, 3.4) an amount and/or a temperature of the circulating air are regulated so that the maximum temperature of the paper web (1) is 99°C, and that exhaust air is extracted from a first one of the drying zones (3.1, 3.2, 3.3, 3.4) and fresh air is supplied to a last one of the drying zones (3.1, 3.2, 3.3, 3.4).

IPC 8 full level

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