Title (en)

METHOD FOR PRODUCING MULTI-LAYER PAPER

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MEHRLAGIGEM PAPIER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN PAPIER MULTICOUCHE

Publication

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Application

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Abstract (en)

[origin: WO2019076702A1] The invention relates to a method for producing dried multi-layer paper, comprising the following steps: (A) dewatering a first aqueous fibrous material suspension, whereby a first fibrous material web is produced having a dry content of between 14 wt.-% and 25 wt.-%; (B) dewatering a second aqueous fibrous material suspension, whereby a second fibrous material web is produced having a dry content between 14 wt.% and 25 wt.%; (C) spraying at least one flat side of the first fibrous material web, the second fibrous material web or the first fibrous material web and the second fibrous material web with a spraying solution or spraying suspension, whereby at least one sprayed fibrous material web having a sprayed flat side is produced; (D) joining the first fibrous material web to the second fibrous material web, at least one of the above two being a sprayed fibrous material web, such that a layer composite is produced; (E) dewatering the layer composite by pressing, such that a partially dewatered layer composite is produced; (F) dewatering the partially dewatered layer composite with the application of heat, such that the dried multi-layer paper is produced; wherein the spraying solution or spraying suspension contains (c-a) water and (c-b) at least one water-soluble polymer P, which can be obtained by the polymerisation of (i) 40 to 85 mol.% of a monomer of formula I, in which R1 = H or C1-C6-alkyl, (ii) 15 to 60 mol.% of one or more ethylenically unsaturated monomers that are different from a monomer of formula I, wherein the total quantity of all monomers (i) and (ii) is 100 mol.%, and optionally by a subsequent partial or complete hydrolisation of the units of the monomers of formula (I) polymerised into the polymer P with the formation of primary amino groups or amidine groups, the proportion of water being at least 75 wt.% relative to the spraying solution or the spraying suspension.

IPC 8 full level

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