

Title (en)

METHOD OF PRODUCING AN IMPREGNATED PAPER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES IMPRÄGNIERTEN PAPIERS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN PAPIER IMPRÉGNÉ

Publication

EP 4234811 A1 20230830 (EN)

Application

EP 22167403 A 20220408

Priority

EP 22159305 A 20220228

Abstract (en)

There is provided a method of producing an impregnated paper, comprising the steps of:a) forming a paper web from a furnish, which furnish preferably comprises a mixture of hardwood fibers and softwood fibers;b) dewatering and drying the paper web to a moisture content of 10-15 %; andc) impregnating the paper web having the moisture content of 10-15 % by applying a water-based composition comprising starch to at least one side of it, wherein the dry matter content of the water-based composition is 8-18 %, such as 10-15 %.

IPC 8 full level

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Citation (search report)

- [X] EP 0601562 A1 19940615 - EASTMAN KODAK CO [US]
- [X] DE 102011001617 A1 20121004 - PAPIERFABRIK HAMBURGER RIEGER GMBH & CO KG [DE]
- [XI] CN 110093806 A 20190806 - UNIV ZHEJIANG SIENCE & TECHNOLOGY
- [A] CN 107988845 A 20180504 - ANHUI HONGSHI OPTOELECTRONIC HIGH TECH CO LTD
- [A] CN 110158364 A 20190823 - ZHEJIANG HENGDA NEW MAT CO LTD
- [A] CN 112080964 A 20201215 - JIANGJU TOBACCO GROUP CO LTD JINAN PACKAGING MAT BRANCH
- [A] US 2009297842 A1 20091203 - AKIYAMA KOOSUKE [JP]

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