

Title (en)

METHOD FOR CONTROLLING THE FORMATION OF A FIBER WEB OF A FIBER OR PAPER PRODUCING PROCESS

Title (de)

VERFAHREN ZUR REGELUNG DER FORMATION EINER FASERSTOFFBAHN EINES FASER- ODER PAPIERHERSTELLUNGSPROZESSES

Title (fr)

PROCÉDÉ DE RÉGLAGE DE LA FORMATION D'UNE BANDE CONTINUE DE MATIÈRE FIBREUSE DANS UN PROCESSUS DE PRODUCTION DE FIBRES OU DE PAPIER

Publication

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Application

**EP 13770855 A 20130918**

Priority

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Abstract (en)

[origin: WO2014048811A1] The invention relates to a method for controlling the formation of a fiber web of a fiber or paper producing process. The method consists of a plurality of successive individual method steps in which controllable chemical and/or physical sequences or process steps are carried out dependent on measured values, and the materials required for the formation of the fiber web are treated, combined, and/or dewatered in said sequences or process steps, wherein at least some of the measured values are detected inline and directly or indirectly used in order to control the formation. The proposed method is characterized in that at least the manipulated variables, which influence the formation in a relevant manner, of the individual sequences or processes are formed dependent on definable secondary conditions during the entire process.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (opposition)

Opponent : Andritz AG

- US 5825653 A 19981020 - HUOVILA JYRKI [FI], et al
- DE 69718873 T2 20030828 - METSO PAPER INC [FI]
- WO 9828490 A1 19980702 - SIEMENS AG [DE], et al
- WO 03040465 A1 20030515 - METSO PAPER AUTOMATION OY [FI], et al
- EP 1801288 A1 20070627 - VOITH PATENT GMBH [DE]
- WO 03100168 A1 20031204 - METSO PAPER INC [FI], et al
- DE 10118508 A1 20021017 - VOITH PAPER PATENT GMBH [DE]
- DE 69814463 T2 20040219 - METSO AUTOMATION OY HELSINKI [FI]
- EP 1447473 A2 20040818 - VOITH PAPER PATENT GMBH [DE]
- DE 102010041052 A1 20120322 - VOITH PATENT GMBH [DE]
- DANLEI CHU, FORBES MICHAEL, BACKSTRÖM JOHAN, GHEORGHE CRISTIAN, CHU STEPHEN: "Advanced Model Predictive Control", 5 July 2011, INTECH , ISBN: 978-953-30-7298-2, article "Model Predictive Control and Optimization for Papermaking Processes", pages: 309 - 342, XP055259289, DOI: 10.5772/18535

Opponent : IBS Austria Gesellschaft m.b.H.

- WO 03040465 A1 20030515 - METSO PAPER AUTOMATION OY [FI], et al
- DE 19910910 A1 20000928 - VOITH SULZER PAPIERTECH PATENT [DE]
- DE 102010041052 A1 20120322 - VOITH PATENT GMBH [DE]
- EP 1911877 A2 20080416 - VOITH PATENT GMBH [DE]
- EP 1239074 A1 20020911 - VOITH PAPER PATENT GMBH [DE]
- EP 1536063 A1 20050601 - VOITH PAPER PATENT GMBH [DE]
- US 2007239310 A1 20071011 - FAN JUNQIANG [CA]
- "BROCKHAUS ENZYKLOPÄDIE", 1 January 1966, F. A. BROCKHAUS WIESBADEN, article ANONYMOUS: "Algorithmus", pages: 332, XP055953829
- "Algorithmus", WIKIPEDIA, Retrieved from the Internet <URL:<https://de.wikipedia.org/wiki/Algorithmus>>

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