METHOD FOR MONITORING AND CONTROLLING WATER CONTENT IN PAPER STOCK IN A PAPER MAKING MACHINE

A method of predicting the dry stock weight of paper that is produced by a papermaking machine based on simultaneous measurements of (1) the water content of the paper stock on the fabric or wire of the papermaking machine and of (2) the dry stock weight of the paper product is provided. The invention which provides a linearized model of the de-watering process is based on that creation of drainage characteristic curves that provides an effective means of predicting the drainage behavior of the paper stock on the fabric of a de-watering system.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(6) :D21F 1/08, 11/02
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S. : 162/198, 252, 258, 259, 262, 263; 364/471.01, 471.02, 471.03, 568

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 4,990,261 A (HO) 05 February 1991, abstract, col. 6, lines 20-23, col. 3, lines 55-61, and col. 5, lines 29-50.</td>
<td>1-12</td>
</tr>
<tr>
<td>A</td>
<td>US 5,492,601 A (OSTERMAYER et al) 20 February 1996</td>
<td>1-12</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search
06 APRIL 1998

Date of mailing of the international search report
27 APR 1998

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