METHOD FOR CATIONIC CONVERSION OF NANO-MILLED CALCIUM CARBONATE

A method of forming a print medium includes coating (240) at least one side of a base substrate (110) with an ionically-charged nano-milled calcium carbonate that has been mixed (220) with a cationic conversion agent (280) to convert said calcium carbonate to a cationically-charged coating, wherein a primary size of particles of said nano-milled calcium carbonate is 10-20 nm or smaller.
INTERNATIONAL SEARCH REPORT

PCT/US2007/085053

A. CLASSIFICATION OF SUBJECT MATTER

B41M 5/00(2006.01)i, B41M 5/40(2006.01)i, B05D 5/04(2006.01)i

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)

IPC 8 as above

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)

eKIPASS (KIPO internal), USPAT, PAJ, Registry & CAPLUS(STN)

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>
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<tbody>
<tr>
<td>A</td>
<td>US 6,945,646 B2 (Ogino) 20 September 2005 see abstract, claims, column 5 lines 59-67</td>
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<td>US 6,127,315 A (Shinozaki) 3 October 2000 see abstract, claims, column 5</td>
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☐ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents
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"&" document member of the same patent family

Date of the actual completion of the international search
17 JUNE 2008 (17.06.2008)

Date of mailing of the international search report
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