Title: STYRENE MALEIC ANHYDRIDE POLYMERS IN COSMETICS AND PERSONAL CARE PRODUCTS

Abstract: The invention relates generally to pigmented compositions that, upon the application of water and pressure, exhibit a visible change in one or more optical attributes such as color. The addition of styrene maleic anhydride copolymers to a pigmented composition, such as a so-called pigment grind, can impart color changing properties to the composition, as well as to a cosmetic or personal care product to which the pigment grind is added. The pigment grind and the cosmetic or personal care product formulation are preferably anhydrous or substantially anhydrous. Upon the application of water and pressure and/or shear (such as rubbing), the compositions undergo a change in one or more optical attributes.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - C08F 22/04 (2014.01)
CPC - C08F 22/04 (2014.09)

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) - C08F 22/04; C08L 37/00, 39/00; C09D 11/10 (2014.01)
CPC - C08F 22/04; C08L 37/00, 39/00; C09D 11/10 (2014.09)

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

USPC - 424/78, 400, 402; 524/93, 112, 272, 324, 548, 549

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

Orbit, Google Patents, Google

**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 6,270,763 B1 (SLAVCHEFF et al) 07 August 2001 (07.08.2001) entire document</td>
<td>1-11, 13-18</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
  - "A" document defining the general state of the art which is not considered to be of particular relevance
  - "E" earlier application or patent but published on or after the international filing date
  - "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document or other special reason (as specified)
  - "O" document referring to an oral disclosure, use, exhibition or other means
  - "P" document published prior to the international filing date but later than the priority date claimed
  - "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
  - "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
  - "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
  - "&" document member of the same patent family

Date of the actual completion of the international search: 25 September 2014

Date of mailing of the international search report: 14 NOV 2014

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