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(54) Title: BREAKABLE GEL ADDITIVE CARRIER FOR IONIC COMPOSITIONS

(57) Abstract: A viscous breakable gel additive carrier for mixing with ion containing materials (such as mortars, grouts, stuccos, cementitious materials, etc.), wherein the carrier comprises a homogeneous breakable gel having the consistency of a custard or jelly prior to mixing with the ion containing materials. The additive carrier further comprises additives, such as pigments and adhesives, thoroughly mixed and suspended therein, that are to be dispersed into the ion containing materials. Upon mixing with the ion containing materials, the gel carrier becomes a free flowing liquid, facilitating mixing, blending and homogeneous dispersal of the additives within the ion containing material.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/23818

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : CO4B 28/28; CO8L 33/02

US CL : 524/239, 247, 249, 556, 650

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. : 524/239, 247, 249, 556, 650

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)

BRS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 58017157 A (TAKAHASHI ET AL.) 1 February 1983	1



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"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	

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INTERNATIONAL SEARCH REPORT

International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 17
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

There is no support in the disclosure for a viscous breakable gel additive carrier comprising upto 0.02% of the gelling agent base
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.