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(54) Title: METHODS AND COMPOSITIONS FOR IMPROVING AIR ENTRAINMENT IN CEMENTITIOUS MIXTURES

(57) Abstract: Suggested is a method for improving air entrainment, comprising the steps of: (i) providing a compound (a) selected from the group consisting of an amphoteric, an alkyl polyglycoside, an ester, an optionally alkoxyated triglyceride, a triglyceride derivative, a fatty alcohol, an alkoxyated fatty alcohol, an alkoxyated polyhydric fatty alcohol, and mixtures thereof; (ii) dispersing the compound on a particulate carrier to form a treated carrier; and (iii) adding the treated carrier to a cementitious mixture.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. C04B40/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
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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 practical, search terms used) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A A A A	JP 10 226550 A (NOF CORP) 25 August 1998 (1998-08-25) abstract ----- US 2005/092209 A1 (GARNER VAN D [US]) 5 May 2005 (2005-05-05) paragraphs [0017], [0022] - [0024], [0031] - [0034] table 4 claims 1,2,7,22,23,28,29 ----- WO 2004/035943 A (HAUKE OSKAR [DE]) 29 April 2004 (2004-04-29) claims 1,3,6,8 ----- US 4 157 998 A (BERNTSSON LEIF [SE] ET AL) 12 June 1979 (1979-06-12) claims 1,10 ----- -/--	1,4-9 2,3 1-9 1-9 1-9
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* 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 document 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 citation 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 <p style="text-align: center; font-weight: bold;">30 January 2009</p>	Date of mailing of the international search report <p style="text-align: center; font-weight: bold;">10/02/2009</p>	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer <p style="text-align: center; font-weight: bold;">Kolb, Ulrike</p>	

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A	WO 2006/134080 A (SOLVAY [BE]; CERVELLATI GIANFRANCO [IT]; ROSA ROBERTO [IT]) 21 December 2006 (2006-12-21) abstract page 2, line 1 - line 16 page 5, line 27 - line 32 page 7, line 22 - line 27	1-9
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