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Declarations under Rule 4.17:

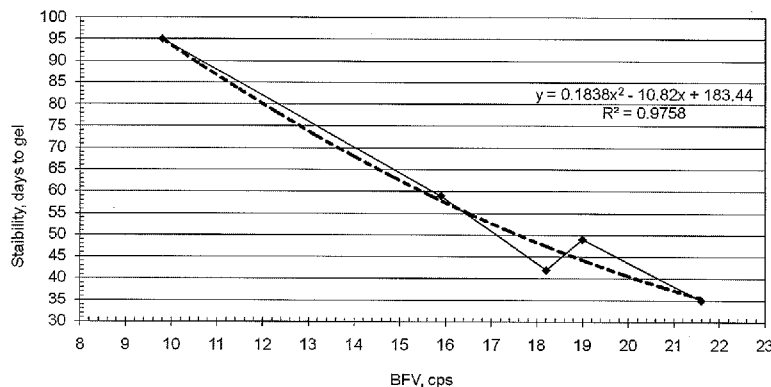
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: ALDEHYDE-FUNCTIONALIZED POLYMERS WITH ENHANCED STABILITY

FIG. 1

Stability as Days to Gel @ RT Versus Initial Brookfield Viscosity [BFV] for 9 wt% Formulation



(57) Abstract: The current invention includes a composition having stability additives of selected inorganic salts and/or organic incorporated into an aldehyde-functionalized polymer product. The stability additive can be post added to the finish polymer product, added to the reaction vessel prior to inducing functionalization of the non-functionalized polymer, or added at any stage during the functionalization reaction. Methods for forming the composition and using the composition to produce a cellulosic fiber-based medium are also disclosed

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/061040**A. CLASSIFICATION OF SUBJECT MATTER***C08L 33/26(2006.01)i, C08L 27/04(2006.01)i, C08K 3/10(2006.01)i, C08K 7/02(2006.01)i, C08F 20/56(2006.01)i*

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B. FIELDS SEARCHED

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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 practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: glyoxalated polyacrylamide, stabilization, aldehyde stabilizer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 7488403 B2 (HAGIOPOL, C. et al.) 10 February 2009 See column 2, line 37-column 3, line 48, column 5, line 34-column 8, line 26, column 9, line 40-column 11, line 33.	1-8,11-15 9-10
X A	US 7034087 B2 (HAGIOPOL, C. et al.) 25 April 2006 See column 3, line 34-column 10, line 34.	1-8,11-15 9-10
X A	US 2005-0187356 A1 (HAGIOPOL, C. et al.) 25 August 2005 See paragraphs [0021]-[0033], paragraphs [0040]-[0045], paragraphs [0049]-[0057].	1-8,11-15 9-10
A	US 2005-0161181 A1 (ST. JOHN, M. et al.) 28 July 2005 See the whole document.	1-15

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

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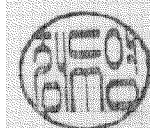
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Information on patent family members

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