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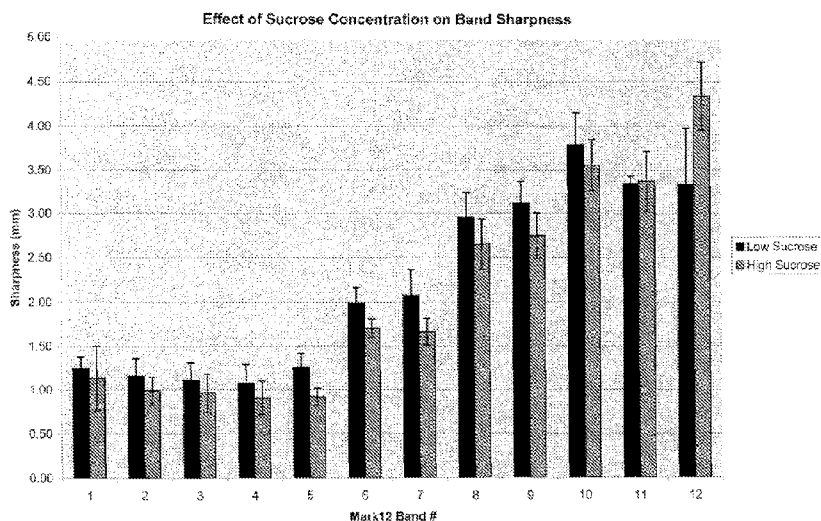


FIG. 10C

(57) Abstract: Electrophoretic systems, formulations and methods are described which allow a user to perform electrophoresis experiments under conditions of high voltage and with reduced run time. An electrophoretic system, formulation or method may be run at 50% higher field strength than comparable systems already in use in the art. The presently described systems and formulations may be run at voltages above 225 V, above 250 V, above 275 V, above 300 V, above 325 V or above 350 V. The time required for performing an electrophoresis experiment may be reduced to less than about 30 minutes, less than about 20 minutes, less than about 15 minutes or less than about 12 minutes.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/046510**A. CLASSIFICATION OF SUBJECT MATTER***G01N 27/447(2006.01)i, G01N 33/561(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)

G01N 27/447; C25B 9/00; G01N 27/26; C08F 20/56; B01D 57/02; H01B 1/00; B01D 59/42

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: electrophoresis gel, ampholyte, buffer, amine

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 2009-027983 A1 (GENE BIO-APPLICATION LTD. et al.) 05 March 2009 See pages 12-14, 16-18.	1-9, 13, 21-28, 47 11-12, 14, 16-19, 20 , 33-36, 43-46
Y	US 5464516 A1 (TAKEDA HISAO et al.) 07 November 1995 See the abstract, columns 4-12.	19, 20, 33, 43-46
Y	US 2005-0167268 A1 (TIMOTHY UPDYKE et al.) 04 August 2005 See pages 3, 4.	11
Y	US 2001-0027921 A1 (GRACE YIM NGAN CHAN et al.) 11 October 2001 See the abstract, pages 2, 3.	12, 14
Y	US 6726821 B1 (SUZUKI MIKA) 27 April 2004 See the abstract, columns 3, 6, 7, 11.	16-18, 33-36
A	US 5275708 A1 (AKINS, JR. ROBERT E. et al.) 04 January 1994 See the abstract, columns 9-10.	1-47

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

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