

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 2003/106655 A3

(51) International Patent Classification:

C12N 11/02 (2006.01) *G01N 33/549* (2006.01)
C12N 11/06 (2006.01) *C07K 17/02* (2006.01)
G01N 33/544 (2006.01) *C07K 17/06* (2006.01)

(21) International Application Number:

PCT/US2003/019197

(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/389,537 18 June 2002 (18.06.2002) US

(71) Applicant (for all designated States except US): **THE UNIVERSITY OF AKRON** [US/US]; 302 E. Buchtel Commons, Akron, OH 44325 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WANG, Ping** [CN/US]; 2788 Blue Heron Drive, Hudson, OH 44236 (US). **RENEKER, Darrell** [US/US]; 300 Hampshire Road, Akron, OH 44313 (US). **JIA, Hongfei** [CN/US]; 195 Wheeler Street, Apt. 203C, Akron, OH 44304 (US). **ZHU, Guangyu** [CN/US]; 274 Wheeler Street, Apt. 2, Akron, OH 44304 (US).

(74) Agents: **WEBER, Ray** et al.; Renner, Kenner, Greive, Bobak, Taylor & Weber, Fourth Floor, First National Tower, Akron, OH 44308 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
29 March 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FIBROUS PROTEIN-IMMOBILIZATION SYSTEMS

(57) Abstract: The present invention provides a fibrous protein-immobilization system composition comprising a fiber comprising fiber-forming material, and a protein attached to the fiber-forming material.



WO 2003/106655 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19197

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): C12N 11/02(2006.01),11/06(2006.01);G01N 33/544(2006.01),33/549(2006.01);C07K 17/02(2006.01),17/06(2006.01)

USPC: 435/177,181;436/528,532;530/812,816

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. : 435/177, 181; 436/528, 532; 530/812, 816

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,203,814 B1 (FISHER et al) 20 March 2001 (20.03.2001), see entire document, especially column 24, lines 1-5.	1-17
Y	US 6,382,526 B1 (RENEKER et al) 07 May 2002 (07.05.2002), see entire document, especially column 1, lines 42-45.	1-17
Y	US 6,099,960 A (TENNETT et al) 08 August 2000 (08.08.2000), see entire document, especially column 10, lines 33-40.	1-17
Y	US 4,748,121 A (BEAVER et al) 31 May 1988 (31.05.1988), see entire document, especially column 1, lines 46-56.	6, 7, 15
Y	US 5,834,272 A (GIORGIO et al) 10 November 1998 (10.11.1998), see entire document, especially column 1, lines 15-25.	16, 17

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

Date of the actual completion of the international search

08 January 2007 (08.01.2007)

Date of mailing of the international search report

31 JAN 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

David M. Naff
Telephone No. 571-272-1600

Julia Jackson
Don

INTERNATIONAL SEARCH REPORT

PCT/US03/19197

Continuation of B. FIELDS SEARCHED Item 3:

WEST

search terms: fiber, nanofiber, enzyme, protein,, polymer, cofactor, coenzyme, coupling agent