

BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

RECOMMENDATION

EDUCATIONAL POLICIES COMMITTEE: APPROVAL OF AGENDA AND MINUTES

ACTION REQUESTED

It is requested that the Educational Policies Committee Agenda for April 20, 2018, and the Minutes of the February 9, 2018, meeting be received and placed on file.

SUMMARY

The primary items for the April 20, 2018, Educational Policies Committee meeting include:


Agenda and Minutes; Emeritus Faculty; renewal of charter school contracts; appointment of charter board members; recommendation for a new charter school; Faculty Summer Research/Creative Activity Awards; recommendation for commencement speakers and awarding of honorary degrees; a report on recent patents issued to Eastern Michigan University; and an update on the Degree Completion & Retention Plan communications.

FISCAL IMPLICATIONS

The fiscal impact of the actions taken is listed in the appropriate sections and in the Board minutes.

ADMINISTRATIVE RECOMMENDATION

The proposed action has been reviewed and is recommended for Board approval.



University Executive Officer

3/27/2018

Date

EASTERN MICHIGAN UNIVERSITY
BOARD OF REGENTS

EDUCATIONAL POLICIES COMMITTEE MINUTES

February 9, 2018
9:00 – 9:45 a.m.
205 Welch Hall

Attendees: (seated at tables) Regent Beagen (Chair), A. Balazs, J. Carroll, A. Ducher, Regent Jeffries (Vice Chair), R. Longworth, K. Stacey, M. Tew, W. Tornquist, M. Winborne and D. Woike.

Guests: (as signed in): D. Alexander, K. Craig, M. Henry, K. Kucera, S. Moeller, M. Nair, J. Popko and R. Woody.

Regent Beagen convened the meeting at 9:00 a.m.

Report and Minutes (Section 10)

Regent Beagen requested that the Educational Policies Committee Agenda for February 9, 2018 and Minutes of the December 15, 2017 meeting be received and placed on file.

Emeritus Faculty (Section 7)

Dr. Rhonda Longworth, Provost and Executive Vice President Academic and Student Affairs, recommended that the Board of Regents grant Emeritus Faculty Status to three (3) former faculty members: Cristina Jose-Kampfner, Department of Teacher Education from 1991 to 2017 who retired after 26 years; Stephen Sonstein, School of Health Sciences from 1984 to 2018 who retired after 32 years and Stewart Tubbs, Department of Management from 1986 to 2017, who retired after 31 years.

STAFF SUMMARY

The Collective Bargaining Agreement between Eastern Michigan University and the Eastern Michigan University Chapter of the American Association of University Professors (AAUP) provides that a faculty member who has served the University for at least fifteen (15) years may be nominated for Emeritus Faculty Status upon retirement.

The nomination for these individuals has received the support of the department head or school director, the dean of the college, and the Provost and Executive Vice President.

Academic Affairs Administrative Professional Appointments/Transfers (Section 5)

David Woike, Assistant Vice President for Academic Affairs recommended that the Board of Regents approve three (3) retirements and one (1) separation for the period of September 1, 2017 through January 31, 2018.

STAFF SUMMARY

Of the four (4) retirements and separations, one (1) is female and three (3) are male. Demographics show all are Caucasian.

Academic Retirements/Separations (Section 6)

David Woike recommended that the Board of Regents approve (2) Administrative/Professional appointments and (3) Administrative/Professional transfers at the rank and effective date shown.

FISCAL IMPLICATIONS

The salary would be absorbed in the 2017-2018 personnel budget.

Charter Schools Board Member Appointment (Section 11)

Dr. Malverne Winborne, Director of Charter Schools, recommended that the Board of Regents appoint Amber York and Thomas Nikundiwe to three-year terms on the Board of Directors of The James and Grace Lee Boggs School and re-appoint Rebecca Domegan to a three year term to the Board of Directors of Global Tech Academy.

STAFF SUMMARY

According to the resolutions which establish these public school academies (charter schools), vacancies on the Boards of Directors shall be filled by the Eastern Michigan University Board of Regents.

Charter Schools Annual Report and Update (Section 12)

Dr. Malverne Winborne recommended that the 2016-17 Charter Schools Annual Report be received and placed on file.

STAFF SUMMARY

During the 2016-17 school year, eleven charter schools operated under the auspices of the Board of Regents of Eastern Michigan University. These schools enrolled approximately 3,500 students. As the fiscal agent for the schools, Eastern Michigan University's accounting office processed approximately \$25 million of state aid funding to the schools. The Charter Schools Office paid approximately \$147,000 in indirect costs to the University's General Fund.

The Annual Report includes a discussion of the history of the Charter Schools Office at Eastern Michigan University as well as a state and national perspective. Complete descriptions of each school, their mission statements, their performance indicators, vital statistics and a financial report are contained in the Annual Report.

New Academic Program: Teaching English as a Second Language, Bachelor of Arts (Section 13)

Dr. Rhonda Longworth recommended that the Board of Regents approve a New Academic Program: Teaching English as a Second Language, Bachelor of Arts. Kathy Stacey, Interim Dean College of Arts and Sciences indicated her support of the program and introduced Dr. Jeff Popko, Department of World Languages to present on the new program.

SUMMARY

The Bachelor of Arts in Teaching English to Speakers of Other Languages is designed for students who want to engage with international populations in the U.S. or Abroad.

New Academic Program: Finance, Master of Science (Section 14)

Dr. Rhonda Longworth recommended that the Board of Regents approve a New Academic Program: Finance, Master of Science. Anne Balazs, Interim Dean of the College of Business indicated her support of the program and introduced Dr. Karen Craig and Dr. Susan Moeller, Accounting and Finance Department; Michelle Henry, Director Graduate Business Programs to present on the new program.

SUMMARY

The Master of Science in Finance will develop principled financial professionals who are prepared for a broad range of financial careers with a solid foundation in financial theory and applied financial skills. Graduates will be highly equipped with practical business problem-solving skills and creative thinking

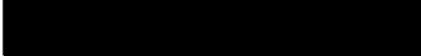
to address market challenges and will be committed to the ethical and legal standards that govern the practice of financial services.

Discussion Item:

Dr. Jessica Alexander, Director Office of Academic Service Learning presented a report on Engage@EMU. She began her presentation but was cut short due to time constraints and will be asked back to the April 20th Board Meeting.

Regent Beagen thanked those in attendance, and adjourned the meeting at 9:55 a.m.

Respectfully submitted,



Debbie Clearwater
Executive Assistant, Office of the Provost
Academic and Student Affairs

**RESEARCH SPOTLIGHT: PROFESSOR JOHN TEXTER AND US PATENT NO 9,837,181
PROFESSOR VIJAY MANNARI AND US PATENT NO 9,879,140**

As we bring the 2018 Summer Research Awards before the Board of Regents, it seems opportune to illustrate the transformative impact on faculty research provided by our internal research support programs.

Attached are patents awarded to EMU through the research efforts of Drs. John Texter and Vijay Mannari, Coatings Professors in the School of Engineering Technology in the College of Technology at EMU.

Issued on December 5, 2017, this is EMU's 25th United States patent, is Professor Texter's fifth patent with EMU, and the second in a series of related patents. US Patent No. 9,837,181 was awarded for Texter's work in developing a process for preparing nanoparticle dispersions that, when applied to coatings, provide electrical conductivity and/or thermal conductivity properties to the underlying coating substrate.

Issued on January 30, 2018, this is EMU's 26th United States patent and is Professor Mannari's fourth patent with EMU, and the second in a series of related patents. US Patent No. 9,879,140 was awarded for Mannari's work in developing curable polyureasil coatings and the methods for preparing them. The coatings provide corrosion resistance for metallic substrates.

Both professors have impressive records of competing for and winning federal- and industry-sponsored research grants and contracts. The EMU Office of Research Development and Administration (ORDA) assisted Professors Texter and Mannari in their grant application and grant management processes, and the EMU Technology Transfer Office administered the patent application process.



US009879140B2

(12) **United States Patent**
Mannari

(10) **Patent No.:** **US 9,879,140 B2**

(45) **Date of Patent:** **Jan. 30, 2018**

(54) **CORROSION-RESISTANT COATINGS AND METHODS USING POLYUREASIL PRECURSORS**

(58) **Field of Classification Search**
CPC C08G 18/289; C08G 18/73; C08G 18/755; C08G 18/7621; C09D 175/04;
(Continued)

(71) Applicant: **EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI (US)**

(56) **References Cited**

(72) Inventor: **Vijaykumar M. Mannari, Saline, MI (US)**

U.S. PATENT DOCUMENTS

(73) Assignee: **EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI (US)**

3,895,043 A 7 1975 Wagner et al.
5,306,765 A 4 1994 Kuriyama et al.
(Continued)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 141 days.

OTHER PUBLICATIONS

Aminudin et al., Application of Electrochemical Impedance Spectroscopy to Study the Degradation of Polymer-Coated Metals, *Prog. Org. Coat.* 26 (1995) 1-28.
(Continued)

(21) Appl. No.: **14/526,679**

(22) Filed: **Oct. 29, 2014**

(65) **Prior Publication Data**

US 2015/0051340 A1 Feb. 19, 2015

Primary Examiner Thao T Tran

(74) *Attorney, Agent, or Firm* — Marshall, Gerstein & Borun LLP

Related U.S. Application Data

(62) Division of application No. 13/439,970, filed on Apr. 5, 2012, now Pat. No. 8,900,668.

(Continued)

(57) **ABSTRACT**

The disclosure relates to curable polyureasil compounds, methods related to curing of such compounds via hydrolysis and/or condensation to form coatings on a substrate, and coated articles formed from the curable polyureasil compounds. The polyureasil compounds are generally hydrocarbon-based, including multiple urea groups and multiple hydrolysable silyl groups per molecule. The hydrolysable silyl groups can be hydrolyzed and subsequently condensed to provide a networked polymeric structure with siloxane/urea linkages between polyureasil compound precursors to form a cured polyureasil composition useful as a coating for a substrate, in particular an anti-corrosion coating for a metallic substrate.

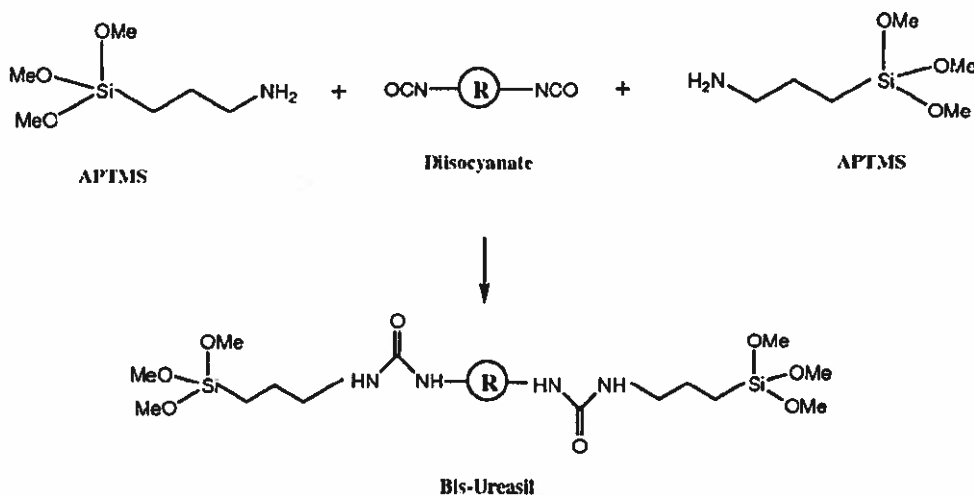
(51) **Int. Cl.**
C09D 5/08 (2006.01)
C09D 175/12 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC C09D 5/08 (2013.01); B05D 3/108 (2013.01); B05D 7/54 (2013.01); C08G 18/289 (2013.01);

(Continued)

15 Claims, 3 Drawing Sheets





US009837181B2

(12) **United States Patent**
Texter

(10) **Patent No.:** **US 9,837,181 B2**
(45) **Date of Patent:** **Dec. 5, 2017**

(54) **PROCESSES FOR NANOPARTICLE DISPERSIONS WITH IONIC LIQUID-BASED STABILIZERS**

(71) Applicant: **EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI (US)**

(72) Inventor: **John Texter, Ypsilanti, MI (US)**

(73) Assignee: **EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI (US)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 30 days.

(21) Appl. No.: 14/547,323

(22) Filed: **Nov. 19, 2014**

(65) **Prior Publication Data**
US 2015/0086721 A1 Mar. 26, 2015

Related U.S. Application Data
(62) Division of application No. 13/065,272, filed on Mar. 18, 2011, now Pat. No. 8,920,682.
(Continued)

(51) **Int. Cl.**
H01B 1/24 (2006.01)
C09D 5/24 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **H01B 1/20** (2013.01); **C08F 293/005** (2013.01); **C09D 5/24** (2013.01); **C09K 5/14** (2013.01).
(Continued)

(58) **Field of Classification Search**
None
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,759,401 B2 7/2010 Yan et al.
7,772,150 B2* 8/2010 Vieth B01J 23/42
502/102

(Continued)

OTHER PUBLICATIONS

T.-H. Kim, C. Doe, S.R. Kline, S.-M. Choi, "Water-Redispersible Isolated Single-Walled Carbon Nanotubes Fabricated by In Situ Polymerization of Micelles," Adv. Mater. 2007, 19, 929-933

(Continued)

Primary Examiner — Katie I. Hammer

(74) *Attorney, Agent, or Firm* — Marshall, Gerstein & Borun LLP

(57) **ABSTRACT**

The disclosure generally relates to a dispersion of nanoparticles in a liquid medium. The liquid medium is suitably water-based and further includes an ionic liquid-based stabilizer in the liquid medium to stabilize the dispersion of nanoparticles therein. The stabilizer can be polymeric or monomeric and generally includes a moiety with at least one quaternary ammonium cation from a corresponding ionic liquid. The dispersion suitably can be formed by shearing or otherwise mixing a mixture/combination of its components. The dispersions can be used to form nanoparticle composite films upon drying or otherwise removing the liquid medium carrier, with the stabilizer providing a nanoparticle binder in the composite film. The films can be formed on essentially any desired substrate and can impart improved electrical conductivity and/or thermal conductivity properties to the substrate.

14 Claims, 5 Drawing Sheets

