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(71) Applicant (for all designated States except US): **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WANG, Hua** [US/US]; 11 Jamison Drive, Clifton Park, NY 12065 (US). **LU, Su** [CN/CN]; Room 6-301, No 1318 Changyang Road, Yangpu, Shanghai 200090 (CN). **LI, Hua** [CN/CN]; #30-204, No. 764 Deping Road, Pudong, Shanghai 200135 (CN). **RICE, Steven, Thomas** [US/US]; 5 Arden Road, Scotia, NY 12302 (US). **SURI-ANO, Joseph, Anthony** [US/US]; 35 Gloucester Street, Clifton Park, NY 12065 (US). **ZHANG, Bing** [CN/CN]; 76-302, Kangqiao Road 1111, Shanghai 201315 (CN). **WANG, Chen** [CN/CN]; #22-603, 1st, No. 335 Weifang Road, Pudon, Shanghai 201203 (CN). **COSTA, Lawrence, Charles** [US/US]; 35 Southpark Lane, Mansfield, MA 02048 (US). **HARROLD, Steven, John** [US/US]; 11233 San Gabriel Way, Valley Center, CA 92082 (US). **OLSON, David, Allen** [US/US]; 5448 Elliott Avenue South, Minneapolis, MN 55417 (US). **PENG, Wenqing** [CN/CN]; Building 3, Room 302, No.

200 Songtao Road, Pudong New Area, Shanghai 201203 (CN).

(74) Agents: **WINTER, Gatherine, J.** et al.; General Electric Company, Global Patent Operation, 2 Corporate Drive, Suite 648, Shelton, CT 06484 (US).

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(54) Title: COMPOSITE MEMBRANE AND METHOD OF MAKING

(57) Abstract: The present invention provides a composite membrane comprising a porous base membrane and a polyamide coating disposed on said porous base membrane, said polyamide coating comprising a C₃-C₈ cyclic carbonyl compound and a C₁-C₈ amide compound, said amide compound comprising at least one N-H moiety. In addition the present invention presides a method of preparing a composite membrane comprising contacting under interfacial polymerization conditions an organic solution comprising a polyacid halide with an aqueous solution composing a polyamine, said contacting being carried out on a surface of a porous base membrane, said organic solution further comprising a C₃-C₈ cyclic carbonyl compound, said aqueous solution comprising a C₁-C₈ amide compound, said amide compound comprising at least one N-H moiety.



WO 2010/135033 A1