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**Drummond**

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(54) **SYNTHETIC MINERAL MICROPARTICLES AND RETENTION AID AND WATER TREATMENT SYSTEMS AND METHODS USING SUCH PARTICLES**

(75) Inventor: **Donald Kendall Drummond**, Glenmoore, PA (US)

(73) Assignee: **Minerals Technologies Inc.**, Bethlehem, PA (US)

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(52) **U.S. Cl.** ..... **210/716**; 210/727; 210/928

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*Primary Examiner*—Peter A. Hruskoci
(74) *Attorney, Agent, or Firm*—Marvin J. Powell; Terry B. Morris

(57) **ABSTRACT**

A composition comprising the product precipitated in the admixing of a soluble metal salt and one or more compounds having a component selected from silicates, phosphates and borates; and a method for controlling drainage and/or retention in the formation of a paper matrix or for treating water comprising the use of such product.

**2 Claims, No Drawings**