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(71) Applicant: **SPECIALTY MINERALS (MICHIGAN) INC.** [US/US]; 30600 Telegraph Road, Bingham Farms, MI 48025 (US).

(72) Inventor: **DONOVAN, Michael**; 2870 Forbs Avenue, Hoffman Estates, IL 60192 (US).

(74) Agent: **BURNETTE, Jennifer**; Marshall, Gerstein & Borun LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, IL 60606-6357 (US).

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(54) Title: MODIFIED CLAY SORBENTS WITH MULTIFUNCTIONAL QUATERNARY AMMONIUM COMPOUNDS AND MONO-QUATERANRY AMMONIUM COMPOUNDS AND METHODS OF SORBING PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) FROM CONTAMINATED SAMPLES WITH THE MODIFIED CLAY SORBENTS

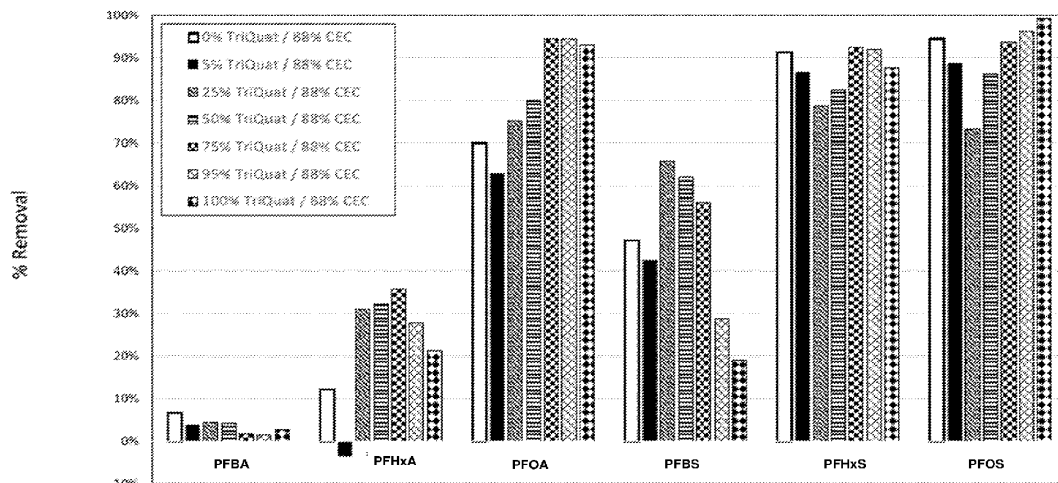


FIGURE 2

(57) Abstract: A method of sorbing a PFAS compound from a contaminated sample includes admixing a modified clay sorbent with the sample. The modified clay includes a clay intercalated with a blend of mono-quaternary ammonium compound and multifunctional-quaternary ammonium compound having a functionality of 3 or more.

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