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(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventors: **ADEFRIS, Negus B.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **WAGLE-PETERSON, Kathleen A.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **JOSEPH, William D.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(74) Agents: **BLANK, Colene E.H.** et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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(54) Title: COMPOSITE ABRASIVE PARTICLES AND METHOD OF MANUFACTURE

(57) Abstract: The present application discloses an agglomerate. The agglomerate comprises a crystalline matrix. The agglomerate may additionally comprise abrasive particles. The agglomerate has a normalized bulk density of less than about 0.38. The present application additionally discloses a method of manufacturing the agglomerate. The agglomerate is manufactured by forming a mixture comprising an abrasive particle with a sol, the sol comprising an oxide and water and introducing the mixture into a spray dryer. The mixture is then dried in the spray dryer. The mixture is then fired, for example in an oven. The resulting agglomerates comprise abrasive particles retained within a crystalline matrix of the oxide. The present invention additionally discloses methods of using the agglomerates of the resent invention.