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(71) Applicant *(for all designated States except US)*: **HONEYWELL INTERNATIONAL INC.** [US/US]; LAW DEPT. AB2, 101 COLUMBIA ROAD, P.o. Box 2245, Morristown, NJ 07962 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **RASTOGI, Ravi** [US/US]; 22809 E. Country Vista Dr., Liberty Lake, WA 99019 (US). **KARDOKUS, Janine, K.** [US/US]; 5113 S. Wyngate Lane, Veradale, WA 99037 (US). **MORALES, Diana, L.** [US/US]; S. 1220 Rotchford, Veradale, WA 99037 (US).

(74) Agent: **LATWESEN, David, G.**; Wells St. John P.S., Suite 1300, 601 West First Avenue, Spokane, WA 99201 (US).

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(54) Title: CHALCOGENIDE PVD TARGETS WITH A COMPOSITION ADJUSTED BY SOLID PHASE BOND OF PARTICLES WITH CONGRUENTLY MELTING COMPOUND

(57) Abstract: A chalcogenide PVD component includes a bonded mixture of particles of a first solid and a second solid. The first solid contains a first compound. The particle mixture may exhibit a minimum solid phase change temperature greater than a solid phase change phase temperature of an element in the first compound. The particle mixture may exhibit a maximum solid phase change temperature less than a solid phase change temperature of an element in the first compound. The first compound may be a congruently melting line compound. The bonded mixture may lack melt regions or sublimation gaps. The particle mixture may exhibit a bulk formula including three or more elements. The particle mixture may include two or more line compounds.