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(71) Applicant: **MERCK PATENT GMBH** [DE/DE]; Frankfurt Strasse 250, 64293 Darmstadt (DE).

(72) Inventors: **LIU, Guo**; c/o EMD Performance Materials Corp., 70 Meister Avenue, Branchburg, New Jersey 08876 (US). **WOODRUFF, Jacob**; c/o EMD Performance Materials Corp., 70 Meister Avenue, Branchburg, New Jersey 08876 (US). **LEHN, Jean-Sébastien**; c/o EMD Performance Materials Corp., 70 Meister Avenue, Branchburg, New Jersey 08876 (US).

(74) Agent: **GRAF VON STOSCH PATENTANWALTSGESELLSCHAFT MBH** et al.; Prinzregentenstr. 22, 80538 Munich (DE).

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(54) Title: METHODS OF FORMING MOLYBDENUM-CONTAINING FILMS DEPOSITED ON ELEMENTAL METAL FILMS

(57) Abstract: Methods of forming molybdenum-containing films are provided. The methods include thermally depositing a first film on a surface of a substrate, for example, at a first temperature less than or equal to about 400°C, and thermally depositing the molybdenum-containing film (second film) on at least a portion of the first film, for example, at a second temperature of greater than about 400°C. The first film can include an elemental metal, for example, tungsten, molybdenum, ruthenium, or cobalt. The second film includes a reaction product of a molybdenum-containing precursor and a reducing agent.

WO 2021/239596 A1