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(71) Applicant: **L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75 Quai d'Orsay, 75007 Paris (FR).

(71) Applicant (for KP only): **AMERICAN AIR LIQUIDE, INC.** [US/US]; 46409 Landing Parkway, Fremont, CA 94538 (US).

(72) Inventors: **TERAMOTO, Takashi**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP). **DUSSARRAT, Christian**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP). **NIKIFOROV, Grigory**; 197 Meister Avenue, Branchburg, NJ 08876 (US). **BLASCO, Nicolas**; 75 Quai d'Orsay, 75007 Paris (FR). **GIRARD, Jean-Marc**; 75 Quai d'Orsay, 75007 Paris (FR). **ONO, Takashi**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP). **YAMAMOTO, Keishi**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP). **HIRAI, Masato**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP). **KAMIMURA, Sunao**; Hikarinooka 2-2, Yokosuka, 239-0847 (JP).

(74) Agent: **WHITE, Allen, E.**; Air Liquide, 9811 Katy Freeway, Suite 100, Houston, TX 77024 (US).

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(54) Title: DEVICES HAVING A RARE EARTH (OXY) FLUORIDE COATING FOR IMPROVED RESISTANCE TO CORROSIVE CHEMICAL ENVIRONMENTS AND METHODS FOR MAKING AND USING THESE DEVICES

(57) Abstract: A genus of rare earth containing chemicals is disclosed. These rare earth containing chemicals are suitable for use in sequential vapor deposition processes to form rare earth fluoride or rare earth oxyfluoride films. Such films may be used to protect materials and devices from corrosive chemicals.