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(71) Applicant (for all designated States except US): **L'AIR LIQUIDE-SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE** [FR/FR]; 75 quai d'Orsay, F-75321 Paris Cedex 07 (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **FISHER, Matthew** [US/US]; 417 St. Andrews Drive, Allen, Texas 75002 (US).

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(54) Title: IMPROVED ALKALINE SOLUTIONS FOR POST CMP CLEANING PROCESSES

(57) Abstract: Alkaline post CMP cleaning solutions are provided including at least two basic compounds that can be organic amines and/or quaternary ammonium hydroxides, at least one organic acid compound, and an inhibitor compound that inhibits corrosion of materials. The inhibitor compound is preferably a mercaptan compound. In one embodiment, a cleaning solution includes at least two organic amines but is substantially free of quaternary ammonium hydroxides. The cleaning solutions preferably have a pH ranging from about 7 to about 12.



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