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(71) Applicant (for all designated States except US): **LAM RESEARCH CORPORATION** [US/US]; 4650 Cushing Parkway, Fremont, California CA-94538 (US).

(71) Applicant (for BZ only): **LAM RESEARCH AG** [AT/AT]; SEZ-Strasse 1, A-9500 Villach (AT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **KOLICS, Artur** [HU/US]; 785 Praderia Circle, Fremont, California 94539 (US).

(74) Agent: **KONTRUS, Gerhard**; SEZ-Strasse 1, A-9500 Villach (AT).

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(54) Title: SOLUTIONS AND METHODS FOR METAL DEPOSITION

(57) Abstract: One aspect of the present invention is a deposition solution to deposit metals and metal alloys such as for fabrication of electronic devices. According to one embodiment, the deposition solution comprises metal ions and a pH adjustor. The pH adjustor comprises a functional group having a general formula $(R_1R_2N)(R_3R_4N)C=N-R_5$ where: N is nitrogen; C is carbon; and R_1 , R_2 , R_3 , R_4 , and R_5 are the same or different and represent hydrogen, alkyl group, aryl group, or alkylaryl group. Another aspect of the presented invention is a method of preparing deposition solutions. Still another aspect of the present invention is a method of fabricating electronic devices.



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