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(71) Applicant *(for all designated States except US)*: **OC OERLIKON BALZERS AG** [LI/LI]; FL-9496 Balzers (LI).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FARMAKIS, Filippos** [GR/FR]; 76 rue Bobillot, F-75013 Paris (FR). **ELYAAKOUBI Mustapha** [FR/FR]; 4, rue du Paon, F-91130 Ris-Orangis (FR). **RIOU, Benoît** [FR/FR]; 103, rue du Cherche Midi, F-75006 Paris (FR). **CHOUMAS, Emmanuil** [GR/CH]; Limsergaessli 10, CH-9470 Werdenberg (CH). **IRZYK, Michael** [FR/FR]; 15, rue du Général de Gaulle, F-77000 Melun (FR). **KUDELA, Jozef** [SK/CH]; Alvierstrasse 3, CH-7310 Bad Ragaz (CH).

(74) Common Representative: **OC OERLIKON BALZERS AG**; Patentabteilung SRLP, FL-9496 Balzers (LI).

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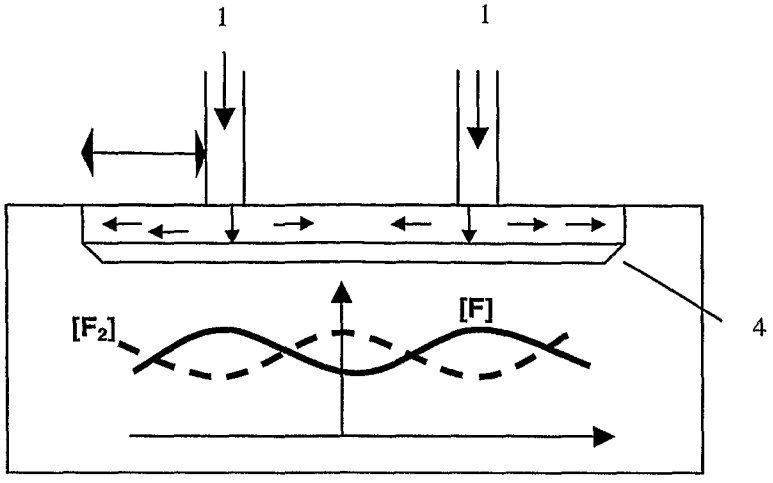
(54) Title: CLEANING MEANS FOR LARGE AREA PECVD DEVICES USING A REMOTE PLASMA SOURCE



(57) Abstract: This invention describes a method for cleaning a deposition chamber that is compatible with large area deposition. It comprises transport of activated gas from a remote plasma source to an area in the chamber in a uniform way through at least two injection points on equivalent paths for the reactive species. A respective gas injection system for the distribution of activated reactive gas comprises a source of reactive gas, a tubing for distributing the gas and an evacuable chamber. The gas is discharged to the tubing having at least one inlet constructively connected to the source and at least two outlets open to the chamber, thereby forming at least partially independent tube branches, wherein the length and the cross- section perpendicular to the gas flow of each tube branch, calculated between inlet and each respective outlet is essentially equal.

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