

Title (en)

METHODS FOR IMPROVING SEMICONDUCTOR PROCESSING

Title (de)

METHODEN ZUR VERBESSERUNG DER HALBLEITERHERSTELLUNG

Title (fr)

PROCEDES D'AMELIORATION DES TRAITEMENTS DE SEMI-CONDUCTEURS

Publication

**EP 0741909 A1 19961113 (EN)**

Application

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Abstract (en)

[origin: WO9520823A1] Novel processes for improving uniformity, reliability and throughput of processes used in semiconductor manufacturing. In one process of the present invention used to reduce moisture contamination, a substrate is placed in a chamber (202). The chamber is then evacuated (204). Next, the chamber is refilled with dry, heated gas to desorb any moisture attached to the surface of the substrate (206). The chamber is then evacuated to remove the heated gas and any moisture desorbed from the surface of the substrate (208). The process can be repeated to ensure complete removal of all moisture present in the chamber and on the substrate (210). In another process, used to precisely control gas temperature, gases used in semiconductor process are heated to reaction temperature prior to injection into a reaction vessel.

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**H01L 21/324**; **H01L 21/477**

IPC 8 full level

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