

Title (en)
AN ELONGATED GAS DITRIBUTION SYSTEM

Title (de)
LANGGESTRECKTES GASVERTEILUNGSSYSTEM

Title (fr)
SYSTEME DE DISTRIBUTION DE GAZ ALLONGE

Publication
EP 1807547 A1 20070718 (EN)

Application
EP 05801451 A 20051004

Priority

- EP 2005054986 W 20051004
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Abstract (en)
[origin: WO2006040275A1] An elongated gas distribution system is described for use in a plasma deposition or plasma cleaning apparatus. The system is provided in the form of a stack of elongated strips. The strips have grooves milled in them that form channels once the strips are stacked upon each other. Such an arrangement is particularly design flexible and allows for a finely branched gas distribution tree. The incorporation of gas flow controlling means such as valves or vanes inside or on the gas distribution system becomes also possible. By actuating these gas flow controlling means based on the input of a plasma, deposited layer or cleaned substrate feedback parameter, a fast responding gas distribution system is realised. In addition, some of the strips can be used to incorporate a cooling circuit for cooling the elongated gas distribution system.

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