

Title (en)

Method and apparatus for tuning microwave transmission windows.

Title (de)

Anpassungsverfahren und -vorrichtung eines Mikrowellen durchlassenden Fensters.

Title (fr)

Procédé et dispositif d'adaptation d'une fenêtre transparente aux micro-ondes.

Publication

EP 0231531 A2 19870812 (EN)

Application

EP 86118180 A 19861231

Priority

US 82547186 A 19860203

Abstract (en)

A method and apparatus for tuning a microwave transmission window (160) to maximize and stabilize the power transmitted therethrough. The power transmitted through the window is tuned by adding a pair of tuning structures (164, 166) to the window, which are tuned to transmit the power required to achieve the required deposition conditions. The tuning structures are formed by stacking a plurality of segments (168) of dielectric material adjacent the outer edge of the window. The dimensions of the tuning structure, both width and height, are adjusted to achieve both a high transmission coefficient and a stable plasma excitation.

IPC 1-7

H01P 1/08

IPC 8 full level

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