

Title (en)

LAYER PREVENTING DISTURBANCES CREATED BY SECONDARY-ELECTRON EMISSION, AND MANUFACTURE OF SUCH A LAYER

Publication

EP 0113907 B1 19860416 (DE)

Application

EP 83112926 A 19831221

Priority

DE 3247268 A 19821221

Abstract (en)

[origin: US4559281A] To prevent interference from secondary electron emission, a base member, as of a waveguide, which in operation is exposed to high frequency electric fields is provided with a coating comprising a rough surface layer having a thickness less than its skin depth, and a further layer of high electrical conductivity between said rough layer and said base member, the thickness of said further layer being substantially larger than its skin depth. The rough layer preferably has a ratio of mean depth to mean pitch of its random corrugations substantially larger than 1:2.

IPC 1-7

H01J 23/02

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

S. RAMO u.a.: "Fields and waves in modern radio", 2. Ausgabe, 1953, John Wiley & Sons, Inc. New York, US, Chapman & Hall, Ltd. London, GB, "Skin effect and circuit impedance elements", Seiten 230-242, 249-251

Cited by

EP0527327A1; WO2009115083A3

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