

**AEROSOL COATING METHOD AND PLASMA-RESISTANT
MEMBER FORMED THEREBY**

ABSTRACT

5 According to an aerosol coating method, a heat treatment process of
preliminary ceramic particles having a first mean particle size (D_{50}) is performed to
form ceramic particles having a second mean particle size (D_{50}) in micro unit larger
than the first mean particle size. Thereafter, the ceramic particles are mixed with a
carrier gas to form an aerosol. The aerosol is sprayed toward the base to form a
10 ceramic coating film on the base.

[Figure 1]