

Title (en)
Method of manufacturing RF slip rings.

Title (de)
Verfahren zur Herstellung von RF Schleifringen.

Title (fr)
Procédé de fabrication de bagues collectrices RF.

Publication
EP 0099944 A1 19840208 (EN)

Application
EP 82303877 A 19820722

Priority
EP 82303877 A 19820722

Abstract (en)
A method of manufacturing an RF slip ring consisting of an outer ring of epoxy resin plastics material wherein the epoxy resin includes a filler of alkali material, e.g. calcium carbonate such that when the plastics material is machined to expose the alkali particles and subsequently immersed in an etchant containing acid, e.g. hydrochloric acid, a violent reaction occurs between the alkali and the acid to cause micro-pitting of the surface of the plastics material thereby providing a keying surface for an electro-less plating e.g. copper to adhere to the surface and be effectively retained thereon, the electro-less plating being overlaid with a noble metal, e.g. gold.

IPC 1-7
H01R 43/10

IPC 8 full level
C23C 18/24 (2006.01); **H01R 43/10** (2006.01)

CPC (source: EP)
C23C 18/24 (2013.01); **H01R 43/10** (2013.01)

Citation (search report)
• [Y] EP 0034232 A2 19810826 - IDM ELECTRONICS LTD [GB]
• [Y] EP 0039248 A1 19811104 - POLYPLASTICS CO [JP]

Cited by
CN105121868A; CN100448139C

Designated contracting state (EPC)
CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0099944 A1 19840208

DOCDB simple family (application)
EP 82303877 A 19820722