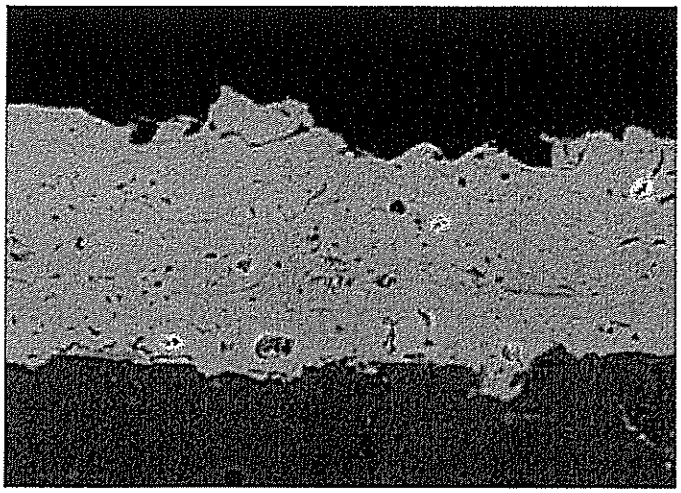


FIG. 1A
(PRIOR ART)

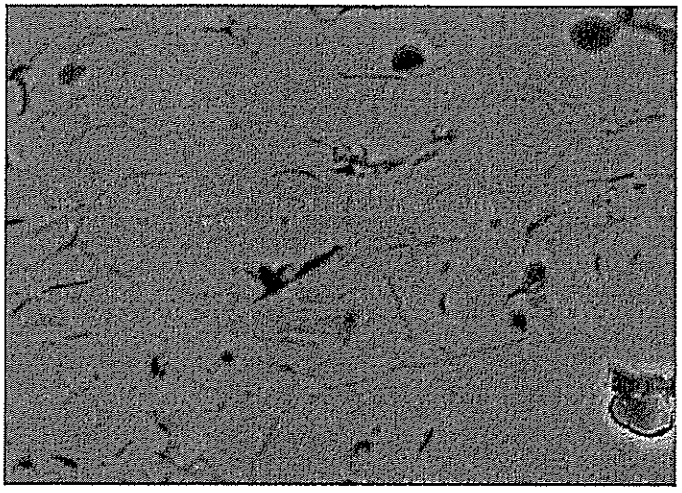


FIG. 1B
(PRIOR ART)

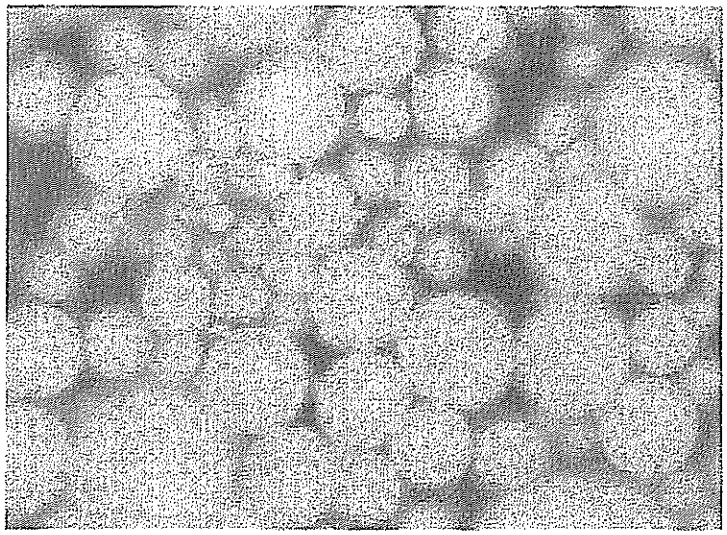


FIG. 2

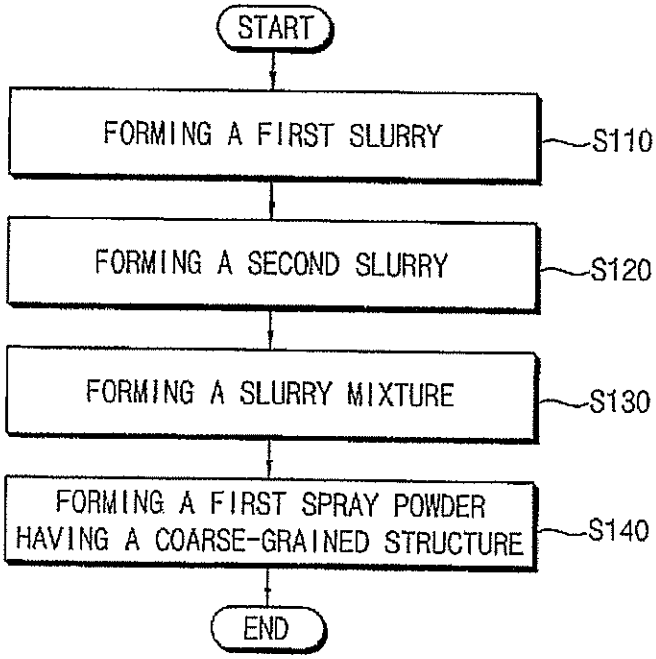

START
FORMING A FIRST SLURRY
S110
FORMING A SECOND SLURRY
S120
FORMING A SLURRY MIXTURE
S130
FORMING A FIRST SPRAY POWDER HAVING A COARSE-GRAINED STRUCTURE
S140
END

FIG. 3

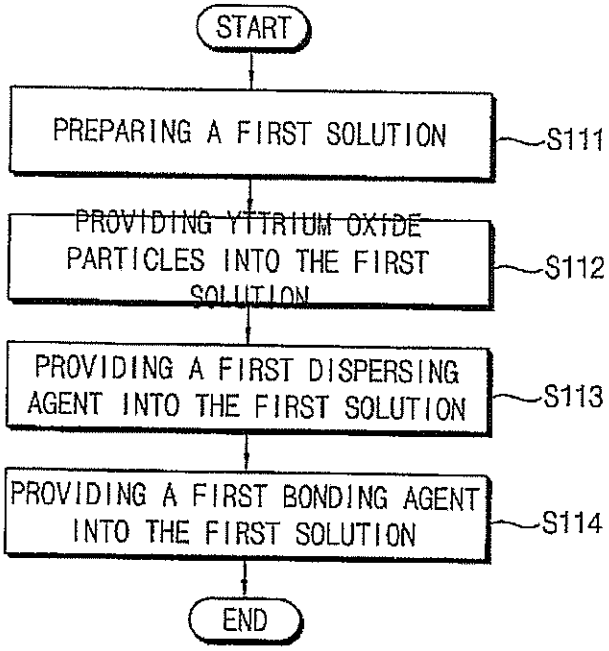

START
PREPARING A FIRST SOLUTION
S111
PROVIDING YTTRIUM OXIDE PARTICLES INTO THE FIRST SOLUTION
S112
PROVIDING A FIRST DISPERSING AGENT INTO THE FIRST SOLUTION
S113
PROVIDING A FIRST BONDING AGENT INTO THE FIRST SOLUTION
S114
END

FIG. 4

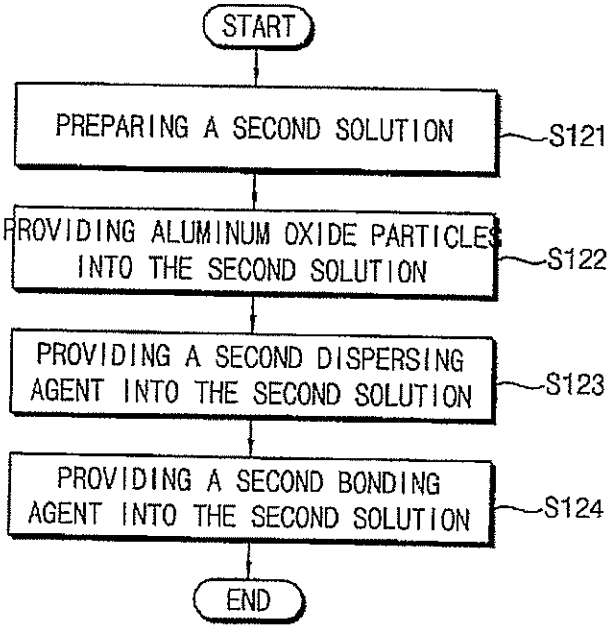

START
PREPARING A SECOND SOLUTION
S121
PROVIDING ALUMINUM OXIDE PARTICLES INTO THE SECOND SOLUTION
S122
PROVIDING A SECOND DISPERSING AGENT INTO THE SECOND SOLUTION
S123
PROVIDING A SECOND BONDING AGENT INTO THE SECOND SOLUTION
S124
END

FIG. 5

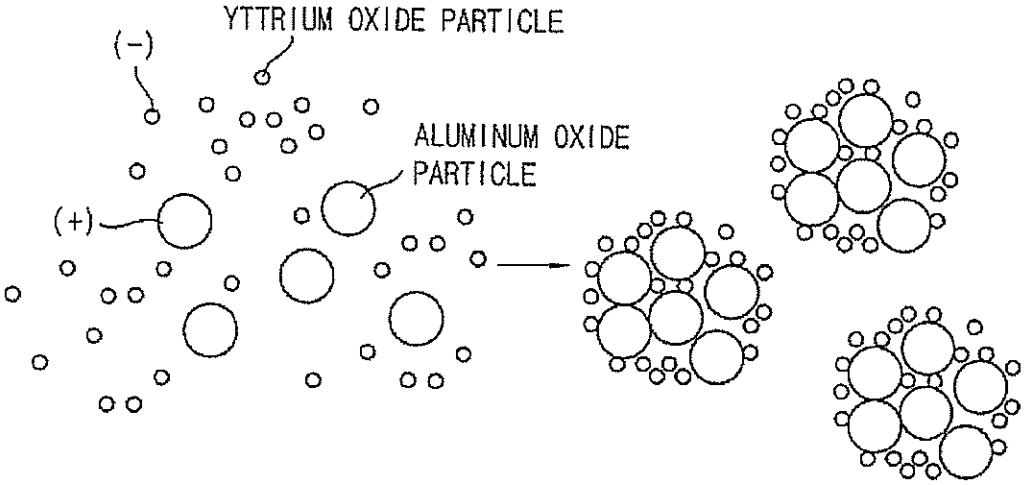

YTTRIUM OXIDE PARTICLE
(-)
ALUMINUM OXIDE
PARTICLE
(+)

FIG. 6

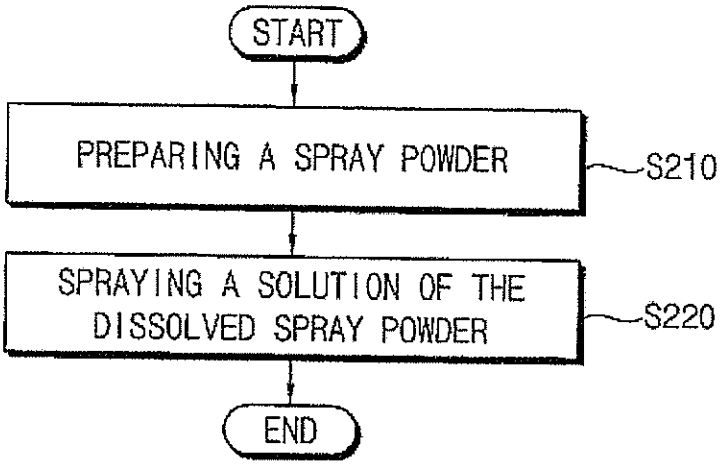

START
PREPARING A SPRAY POWDER
S210
SPRAYING A SOLUTION OF THE
DISSOLVED SPRAY POWDER
S220
END

FIG. 7

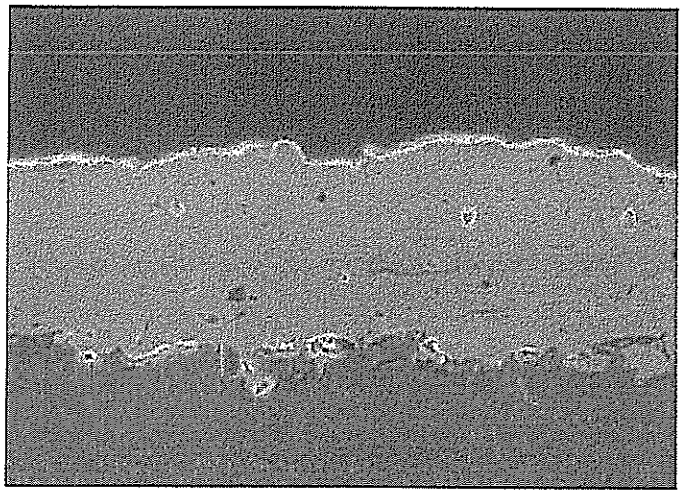


FIG. 8A

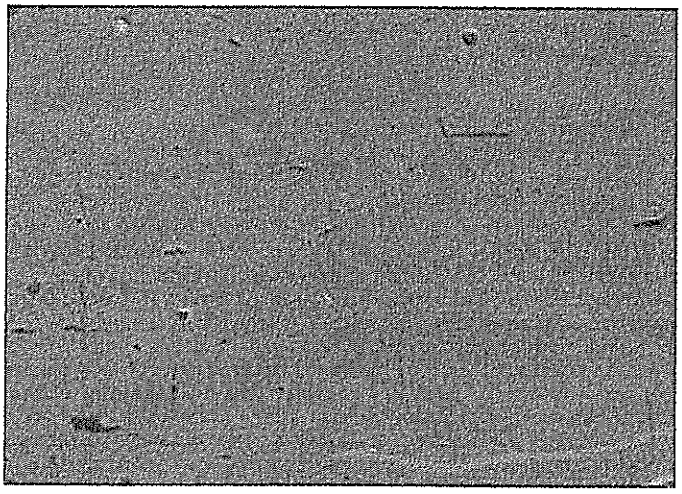


FIG. 8B

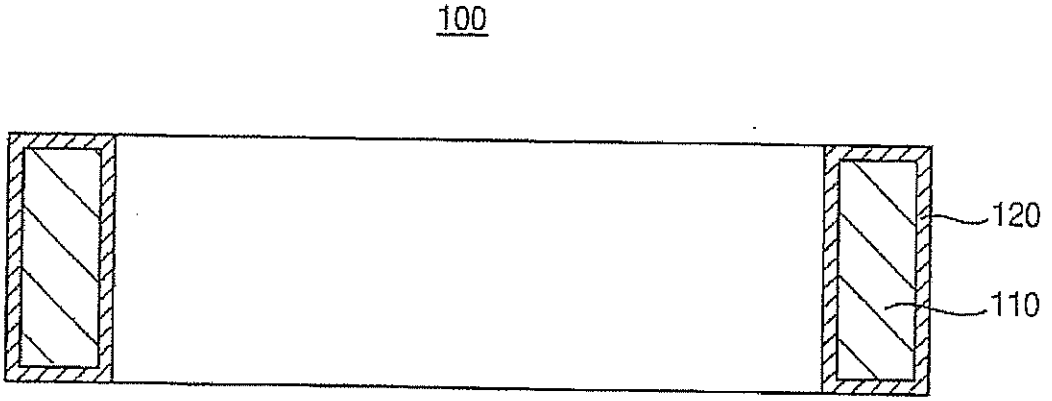


FIG. 9

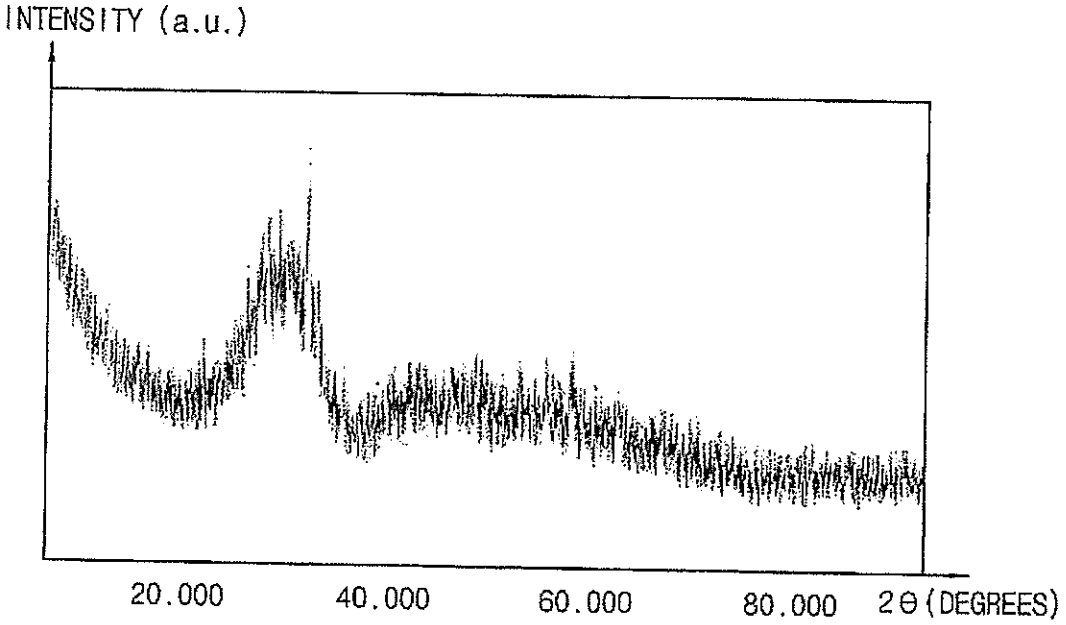


FIG. 10