FIG. 2

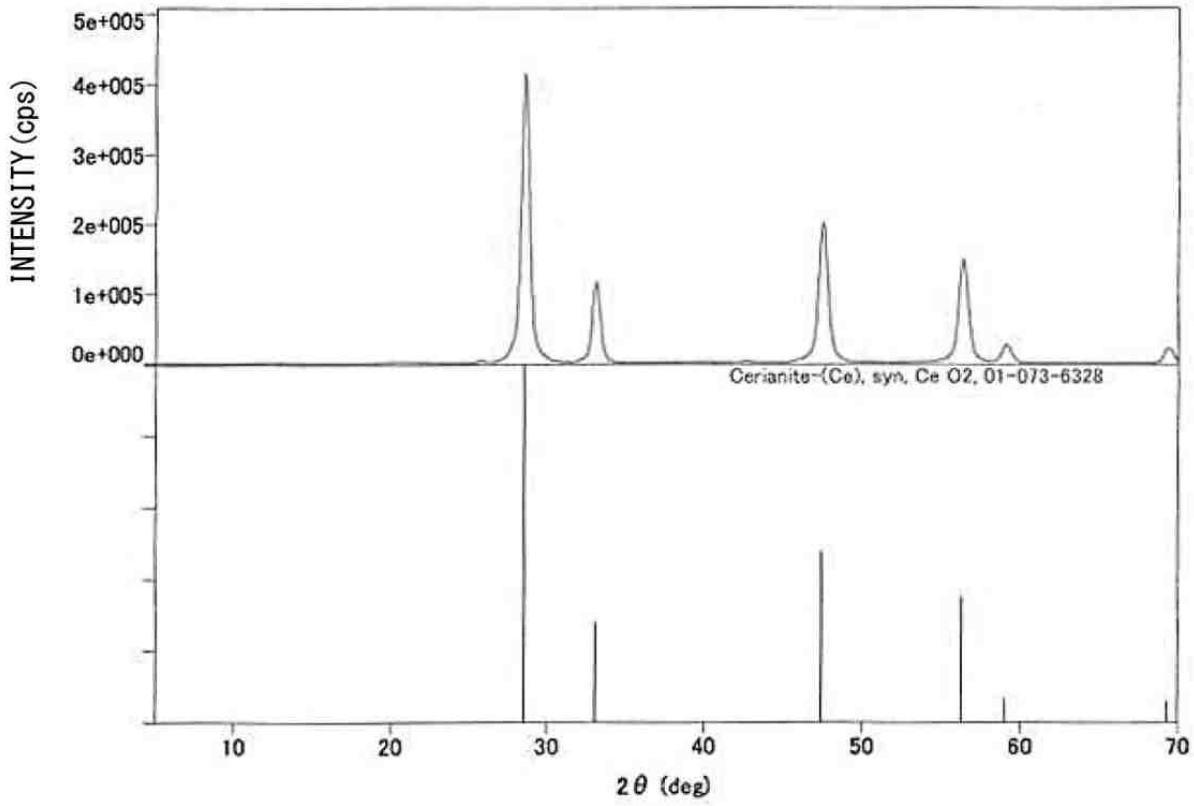

INTENSITY (cps)
5e+005
4e+005
3e+005
2e+005
1e+005
0e+000
Cerianite-(Ce), syn, Ce O2, 01-073-6328
10
20
30
40
50
60
70
2θ (deg)

FIG. 4

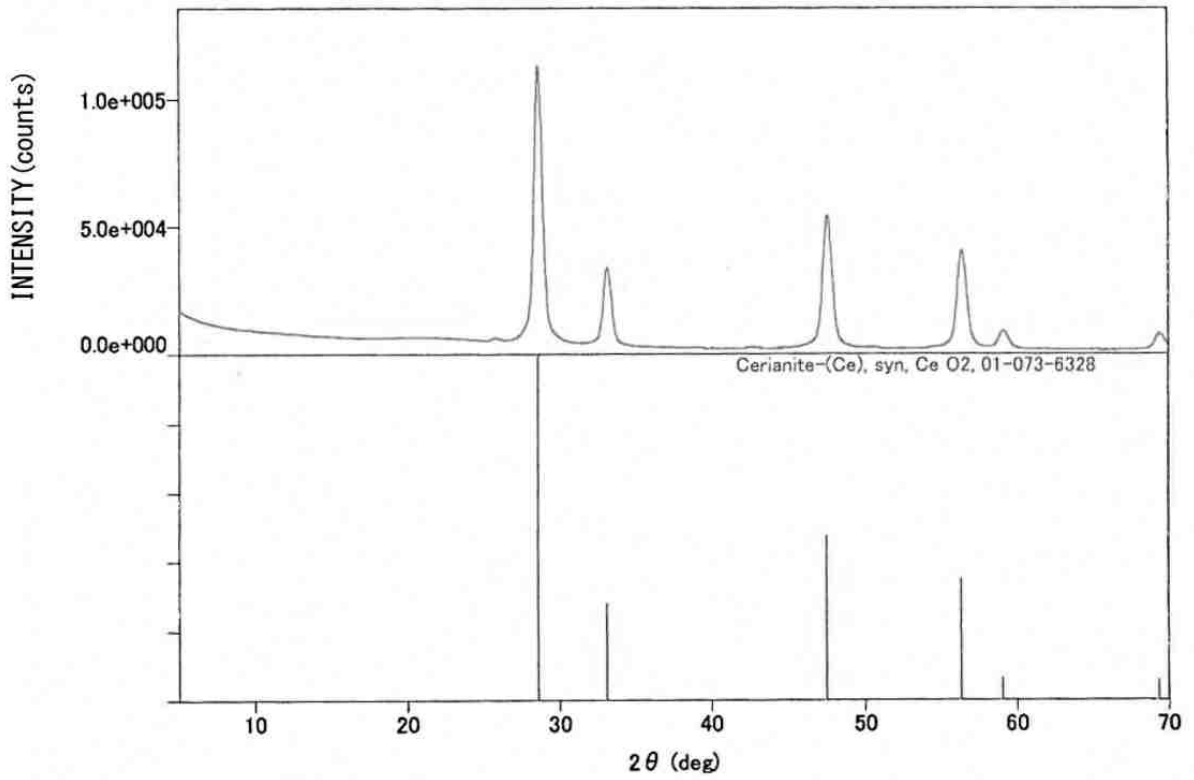

INTENSITY (counts)
1.0e+005
5.0e+004
0.0e+000
Cerianite-(Ce), syn, Ce O2, 01-073-6328
10
20
30
40
50
60
70
2θ (deg)

FIG. 6

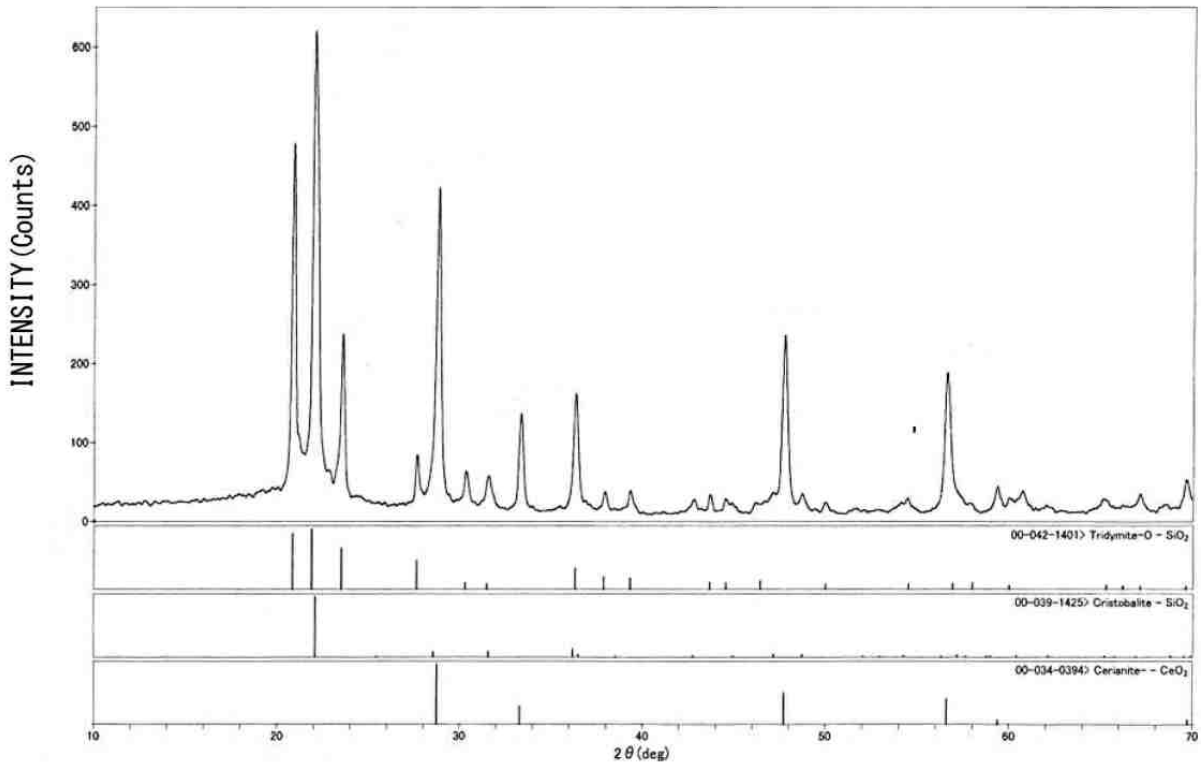
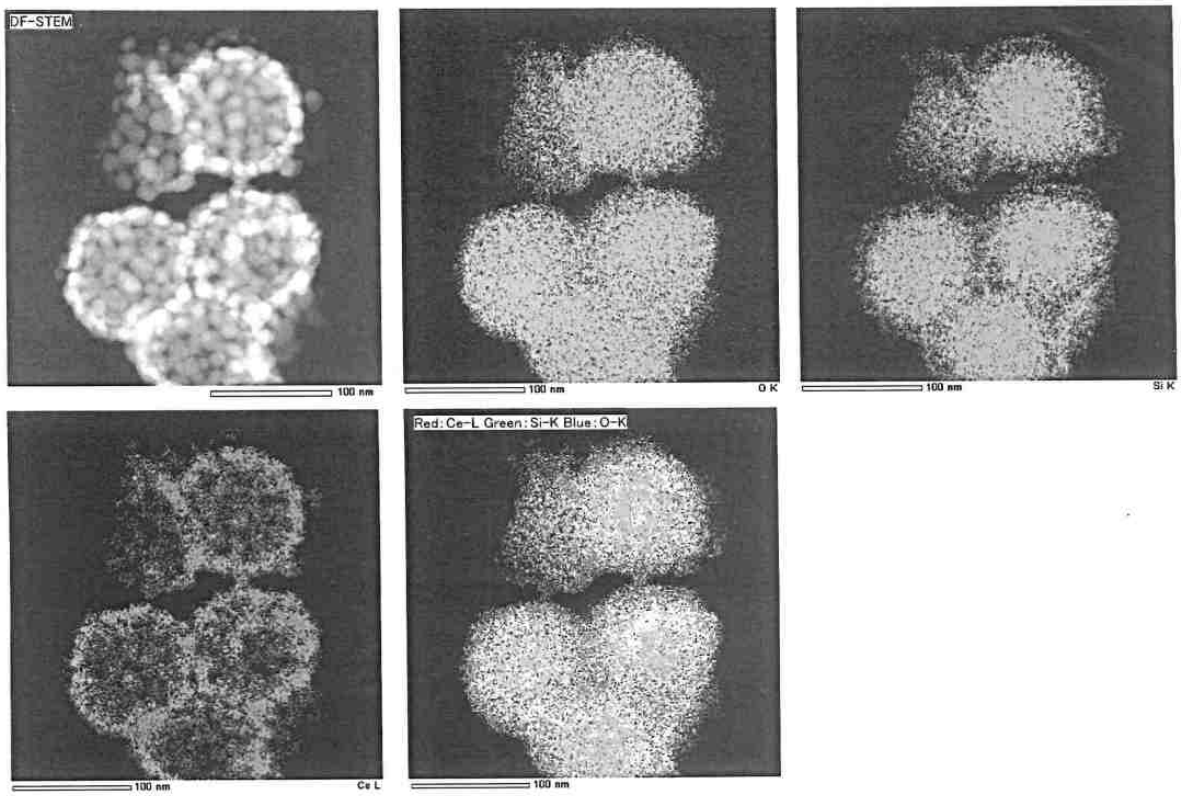

INTENSITY (Counts)
600
500
400
300
200
100
0
00-042-1401> Tridymite-O - SiO2
00-039-1425> Cristobalite - SiO2
00-034-0394> Cerianite - - CeO2
10
20
30
40
50
60
70
2θ (deg)

FIG. 7


DF-STEM
100 nm
100 nm
O K
100 nm
Si K
100 nm
Ce L
Red: Ce-L Green: Si-K Blue: O-K
100 nm