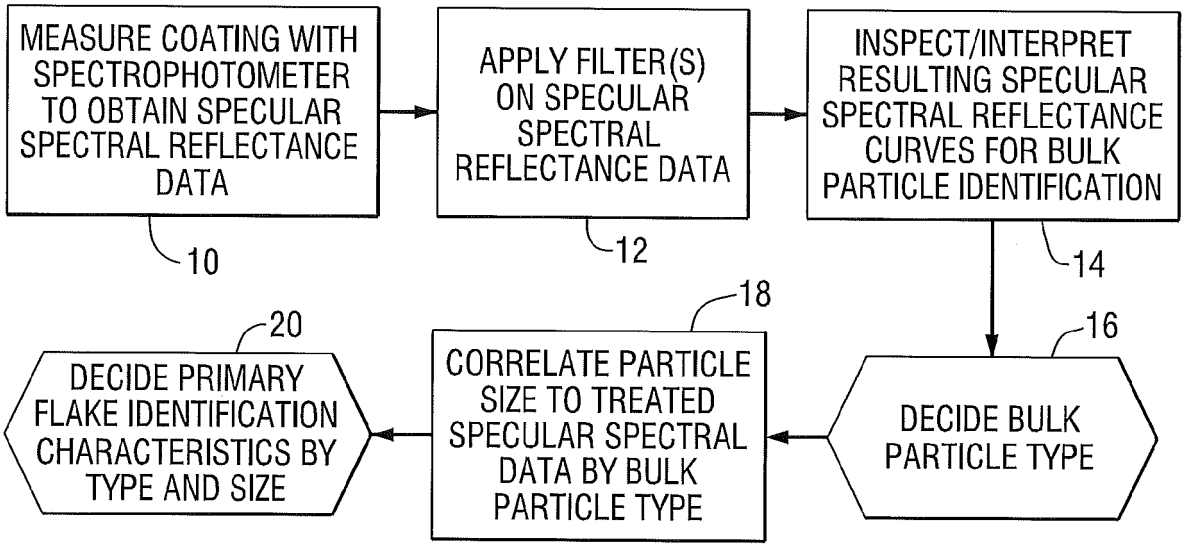

MEASURE COATING WITH SPECTROPHOTOMETER TO OBTAIN SPECULAR SPECTRAL REFLECTANCE DATA
10
APPLY FILTER(S) ON SPECULAR SPECTRAL REFLECTANCE DATA
12
INSPECT/INTERPRET RESULTING SPECULAR SPECTRAL REFLECTANCE CURVES FOR BULK PARTICLE IDENTIFICATION
14
16
DECIDE BULK PARTICLE TYPE
18
CORRELATE PARTICLE SIZE TO TREATED SPECULAR SPECTRAL DATA BY BULK PARTICLE TYPE
20
DECIDE PRIMARY FLAKE IDENTIFICATION CHARACTERISTICS BY TYPE AND SIZE

FIG. 1

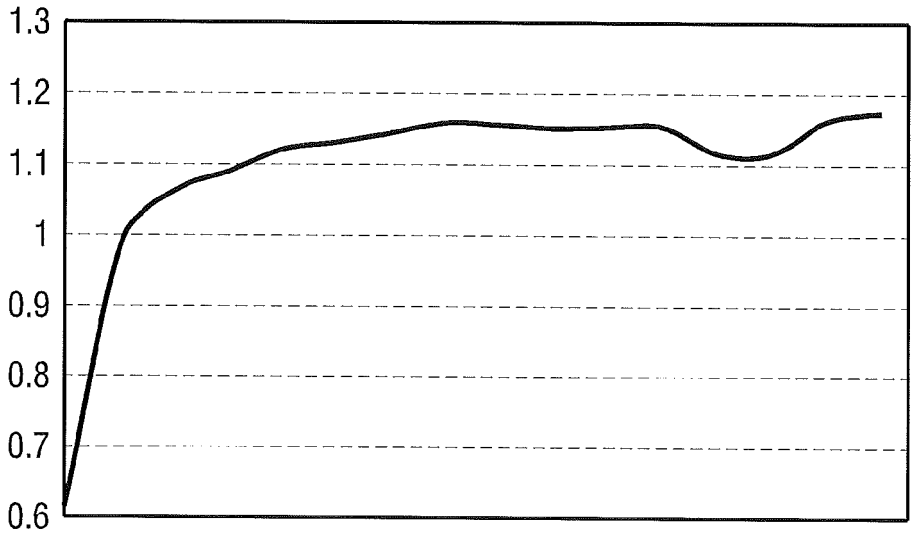

1.3
1.2
1.1
1
0.9
0.8
0.7
0.6

FIG. 2

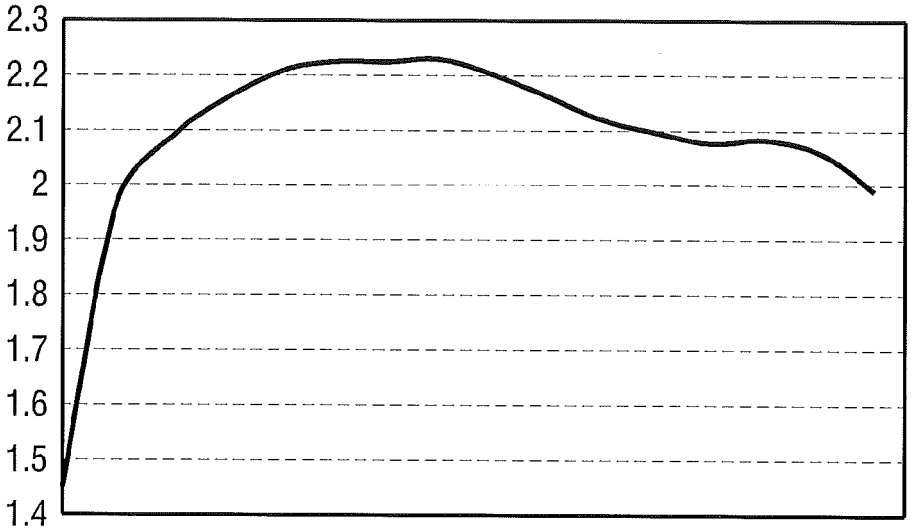


FIG. 3

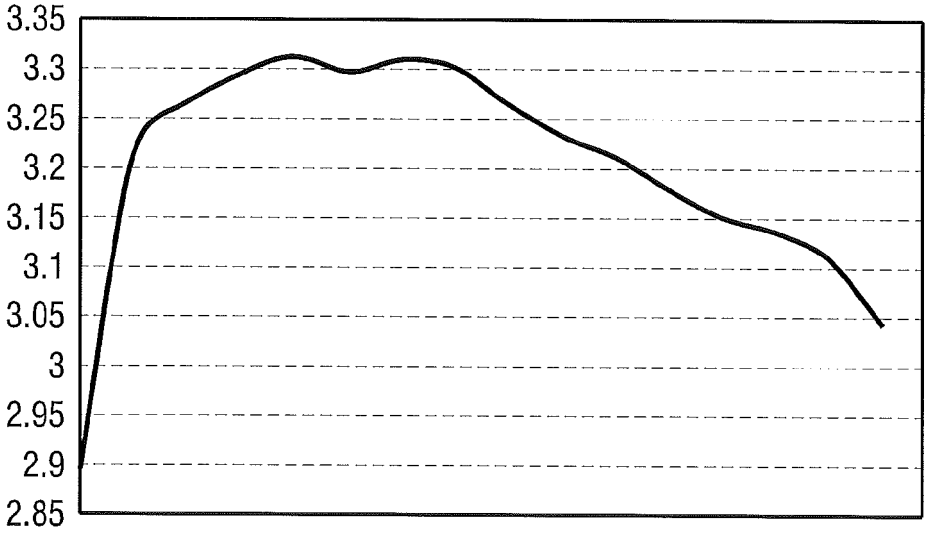


FIG. 4

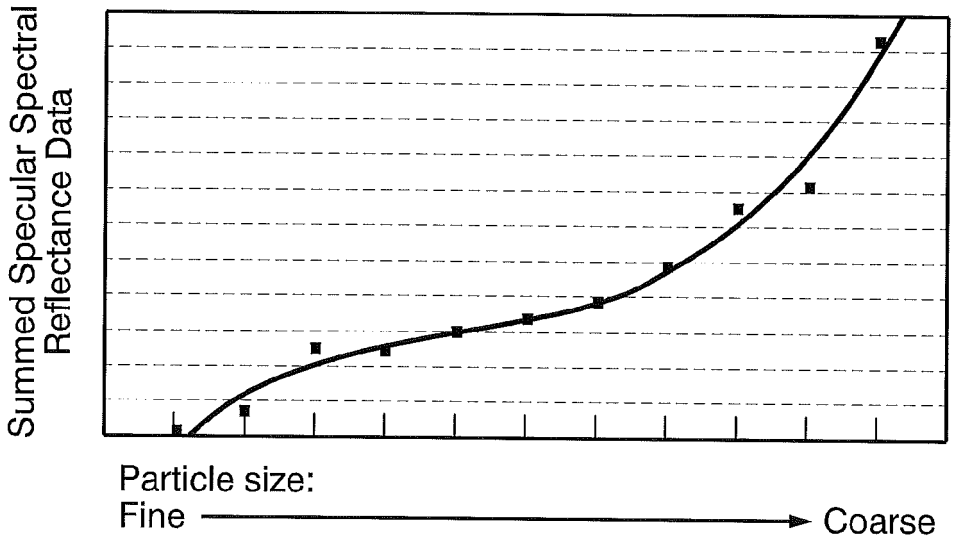

Summed Specular Spectral Reflectance Data
Particle size:
Fine
Coarse

FIG. 5

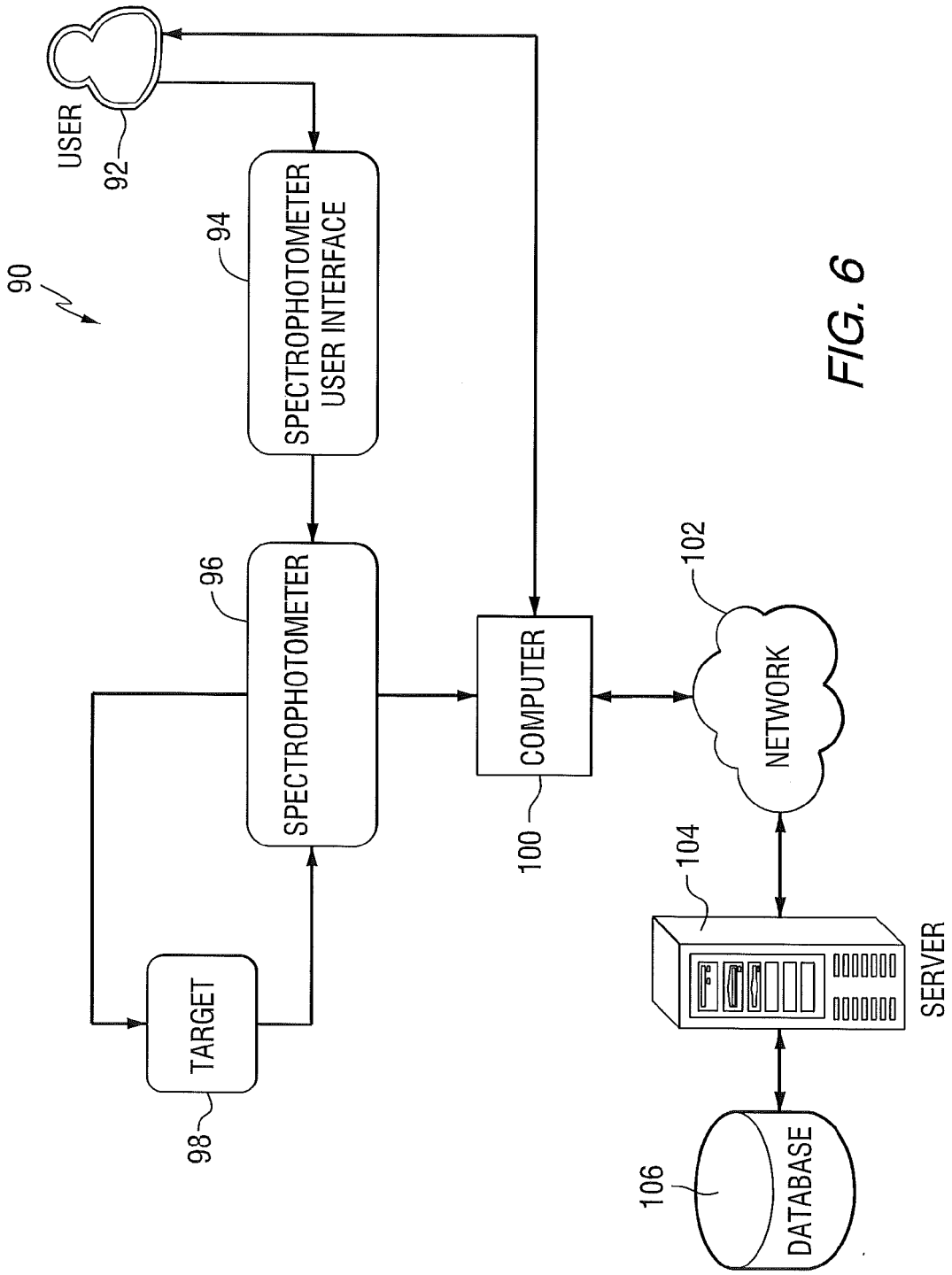

90
USER
92
SPECTROPHOTOMETER USER INTERFACE
94
SPECTROPHOTOMETER
96
TARGET
98
COMPUTER
100
NETWORK
102
SERVER
104
DATABASE
106

FIG. 6