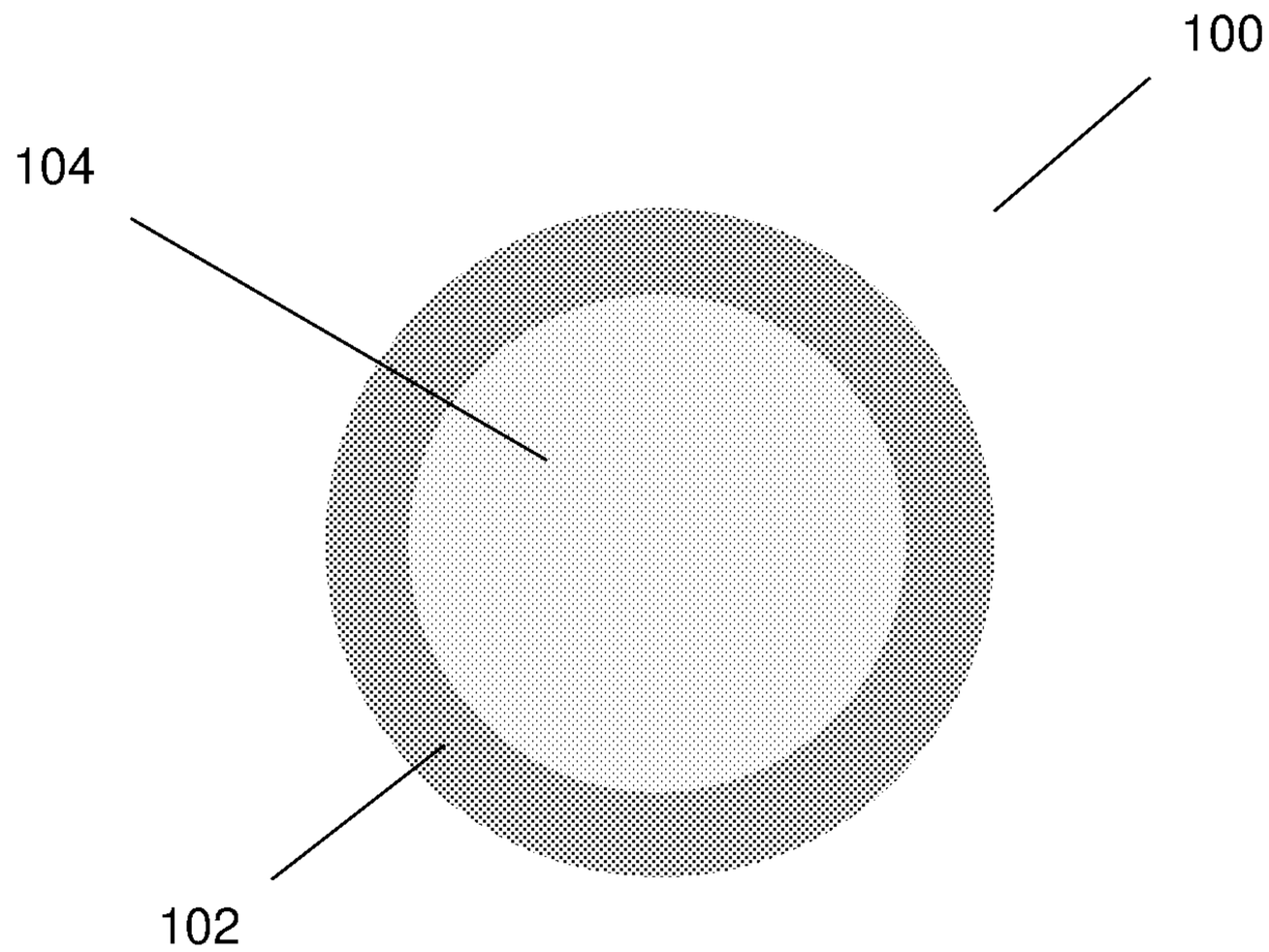


FIG. 1

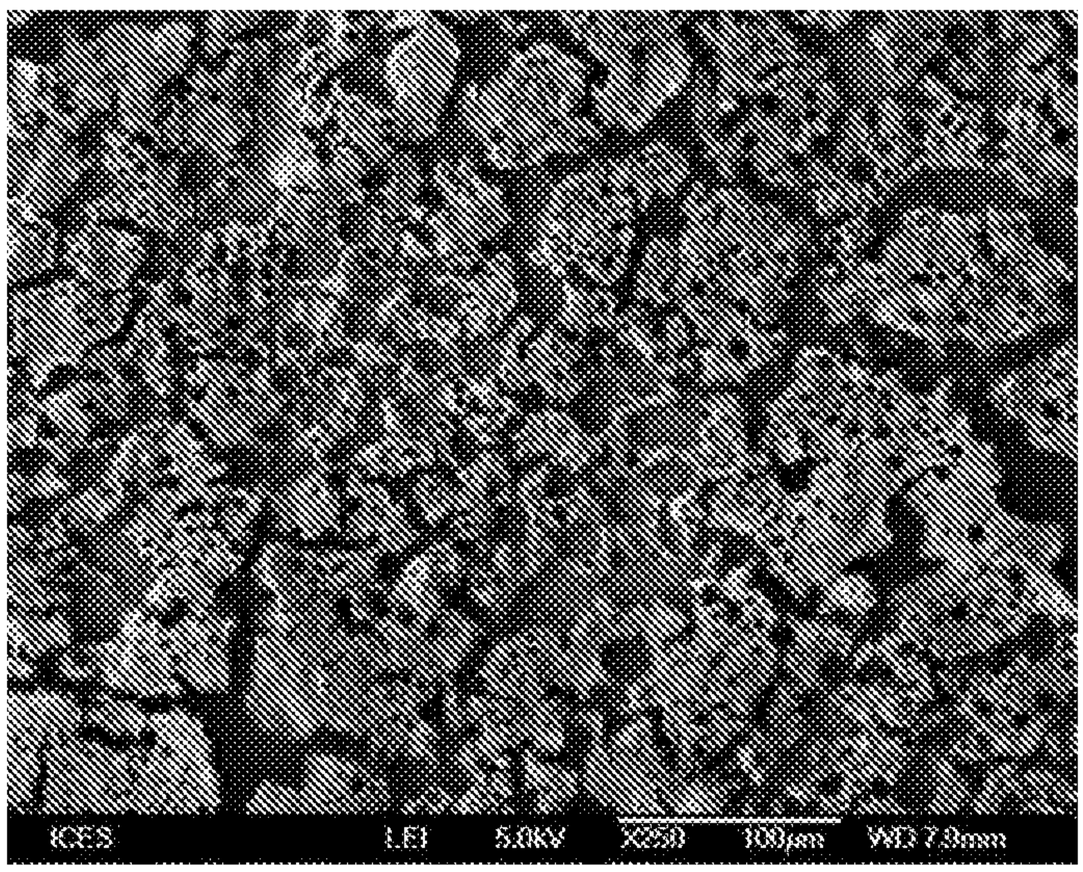

iCES
LEI
5.0kV
X350
100μm
WD 7.9mm

FIG. 2A

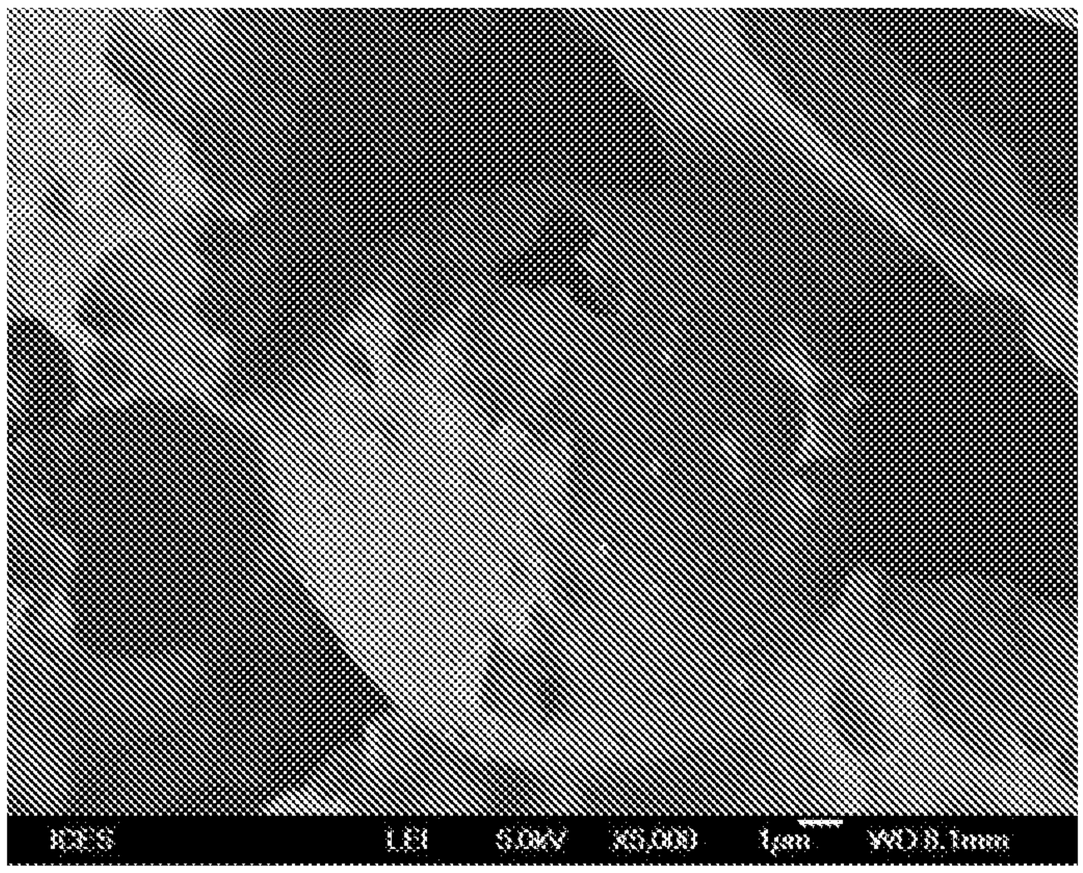

iCES
LEI
5.0kV
X5,000
1μm
WD 8.1mm

FIG. 2B

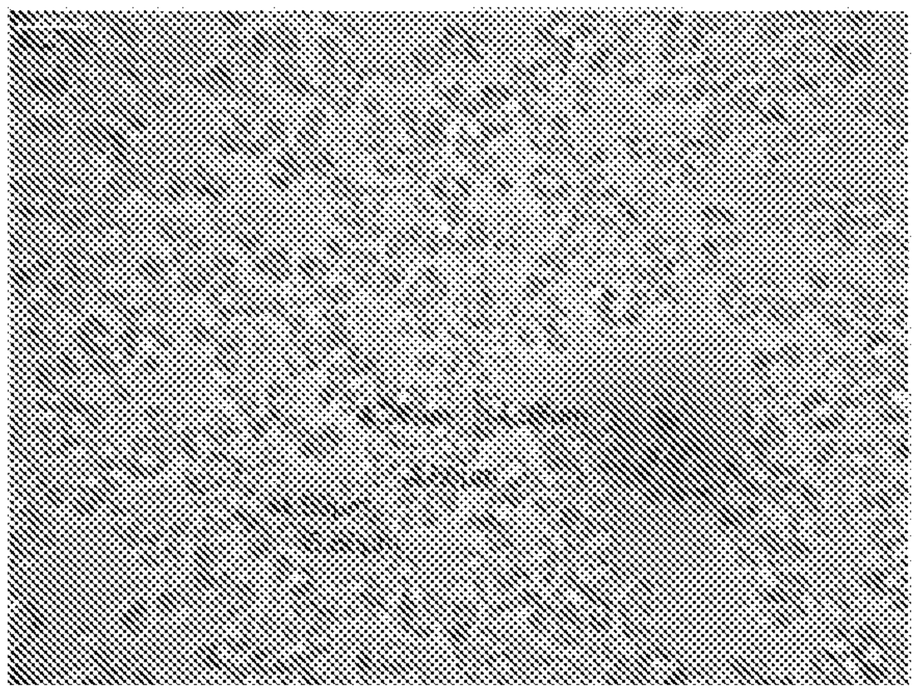


FIG. 3A

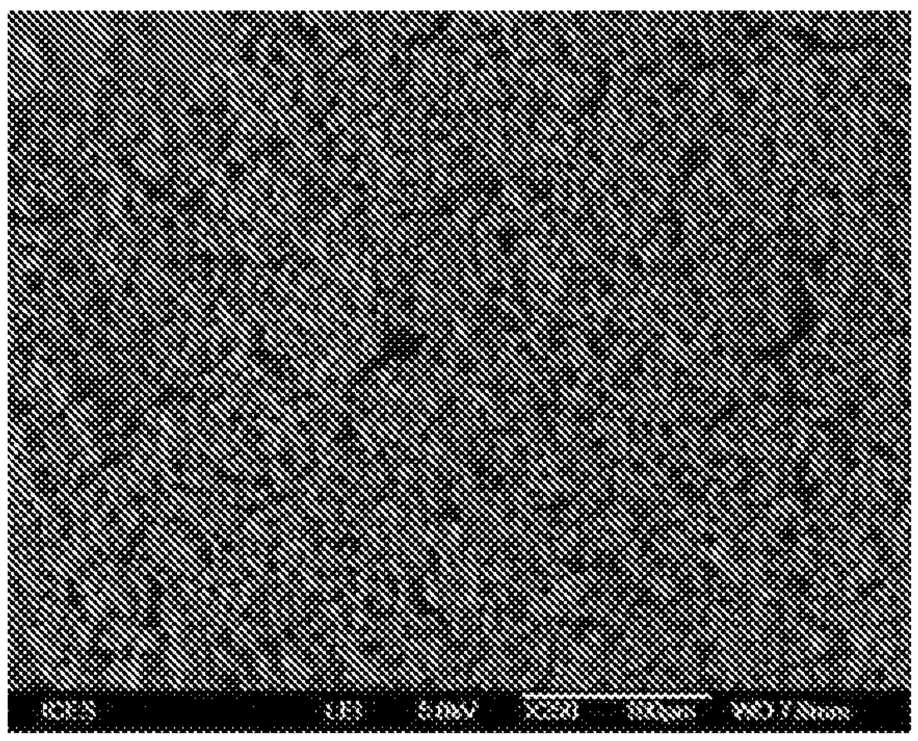


FIG. 3B

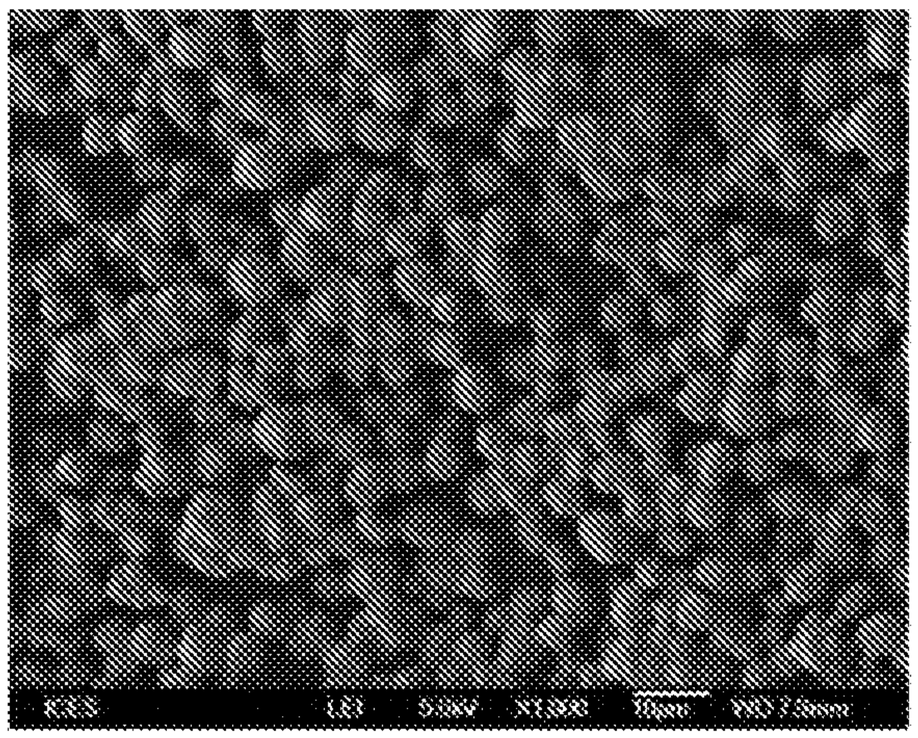


FIG. 3C

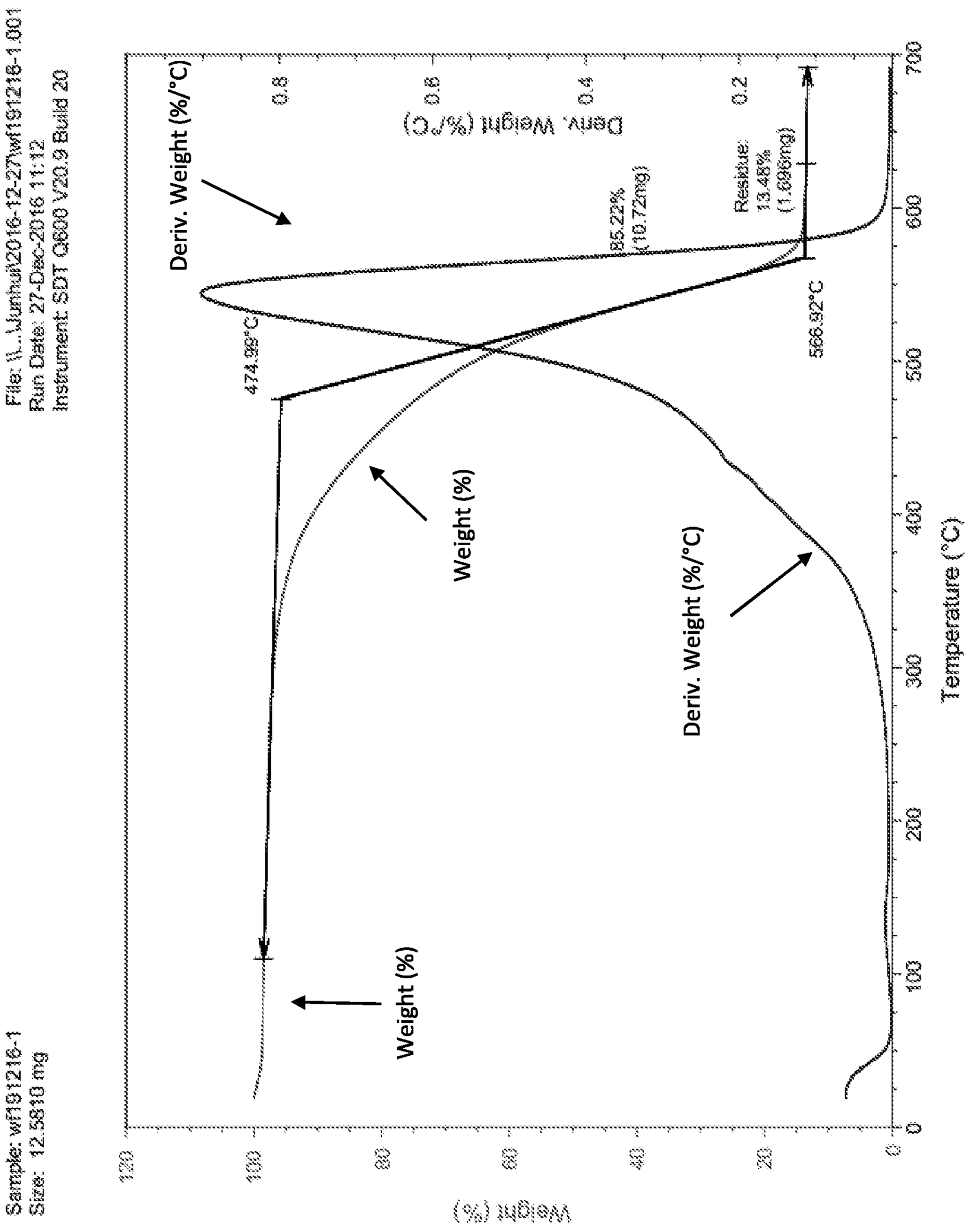

File: \\...\Junhui\2016-12-27\wf191218-1.001
Run Date: 27-Dec-2016 11:12
Instrument: SDT Q600 V20.9 Build 20
Sample: wf191218-1
Size: 12.5810 mg
Deriv. Weight (%/°C)
Weight (%)
474.99°C
85.22%
(10.72mg)
Residue:
13.48%
(1.696mg)
566.32°C
Deriv. Weight (%/°C)
Weight (%)
Temperature (°C)
Universal V4.5A TA Instruments

FIG. 4

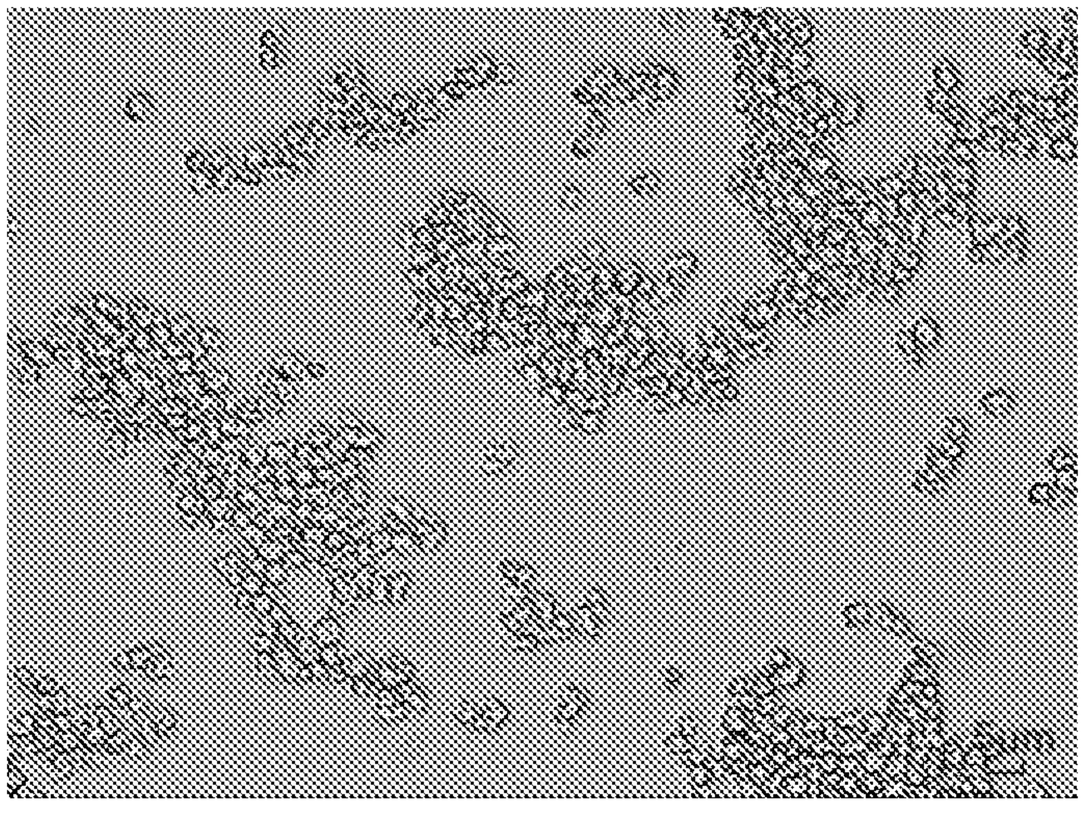


FIG. 5A

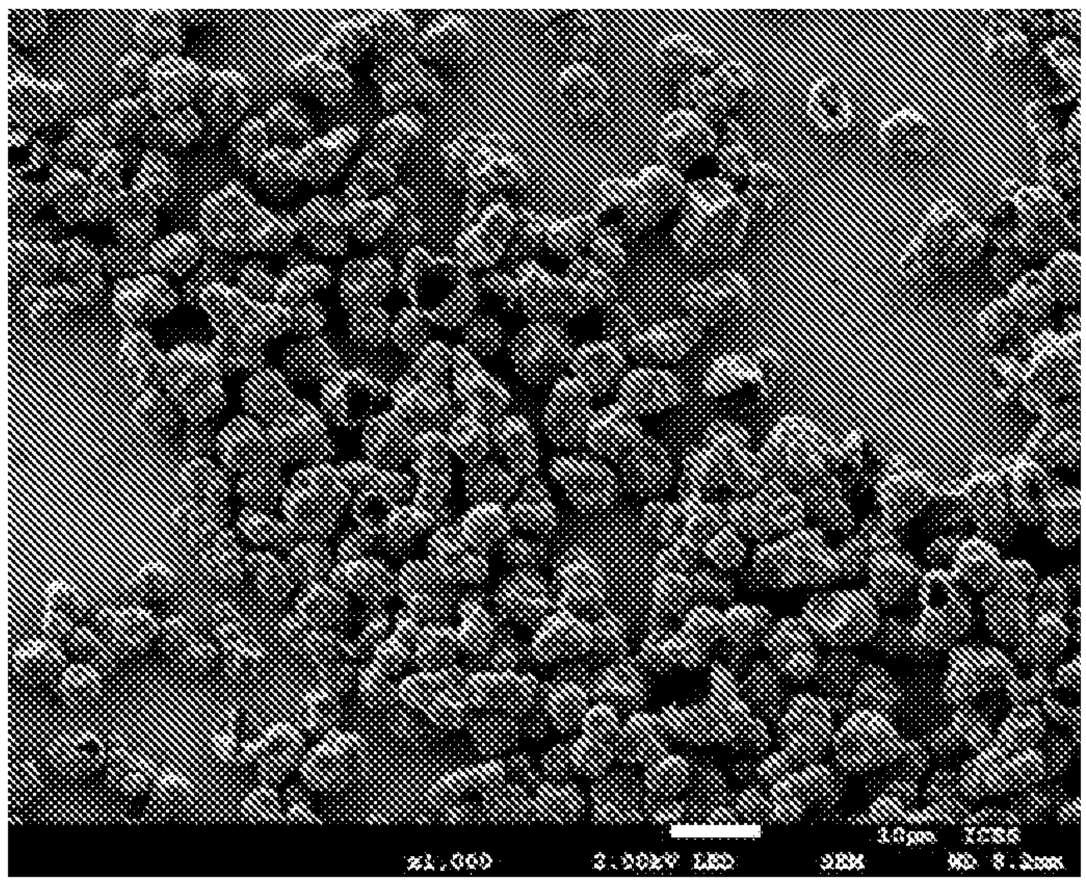


FIG. 5B

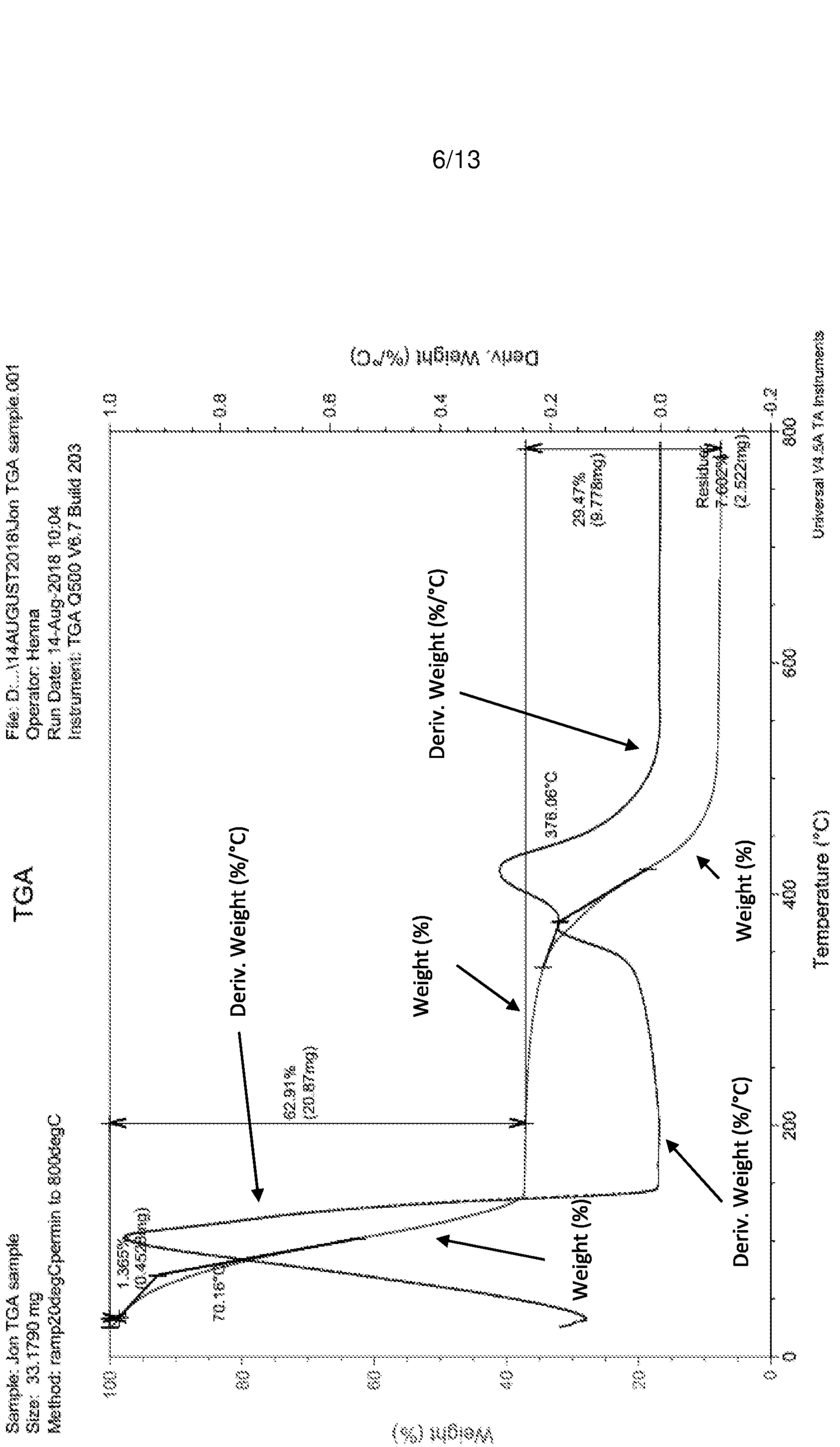

TGA
Sample: Jan TGA sample
Size: 33.1790 mg
Method: ramp20degCpermin to 800degC
File: D:...\14AUGUST2018\Jan TGA sample.001
Operator: Henna
Run Date: 14-Aug-2018 10:04
Instrument: TGA Q500 V8.7 Build 203
Universal V4.5A TA Instruments
Weight (%)
Temperature (°C)
Deriv. Weight (%/°C)
Deriv. Weight (%/°C)
Weight (%)
Weight (%)
Deriv. Weight (%/°C)
Weight (%)
1.365%
(0.452mg)
70.16°C
62.91%
(20.87mg)
29.47%
(9.778mg)
376.06°C
Residue
7.602%
(2.522mg)

FIG. 6A

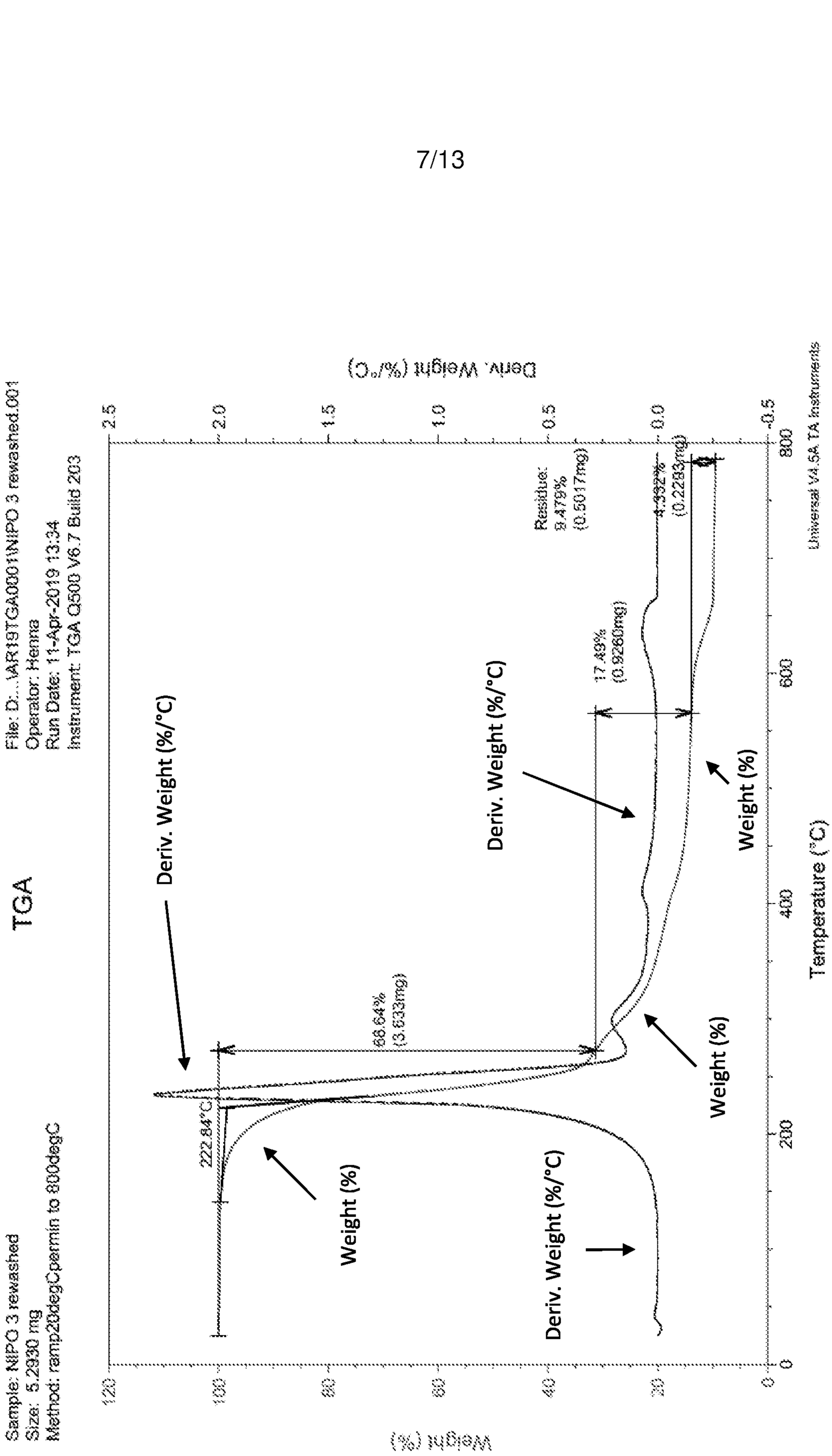

File: D:...\AR19TGA0001\NIPO 3 rewashed.001
Operator: Hemna
Run Date: 11-Apr-2019 13:34
Instrument: TGA Q500 V6.7 Build 203
Sample: NIPO 3 rewashed
Size: 5.2930 mg
Method: ramp20degCpermin to 800degC
TGA
Deriv. Weight (%/°C)
Weight (%)
Temperature (°C)
Universal V4.5A TA Instruments
Residue:
9.479%
(0.5017mg)
17.43%
(0.9260mg)
4.332%
(0.2283mg)
68.64%
(3.633mg)
222.84°C

FIG. 6B

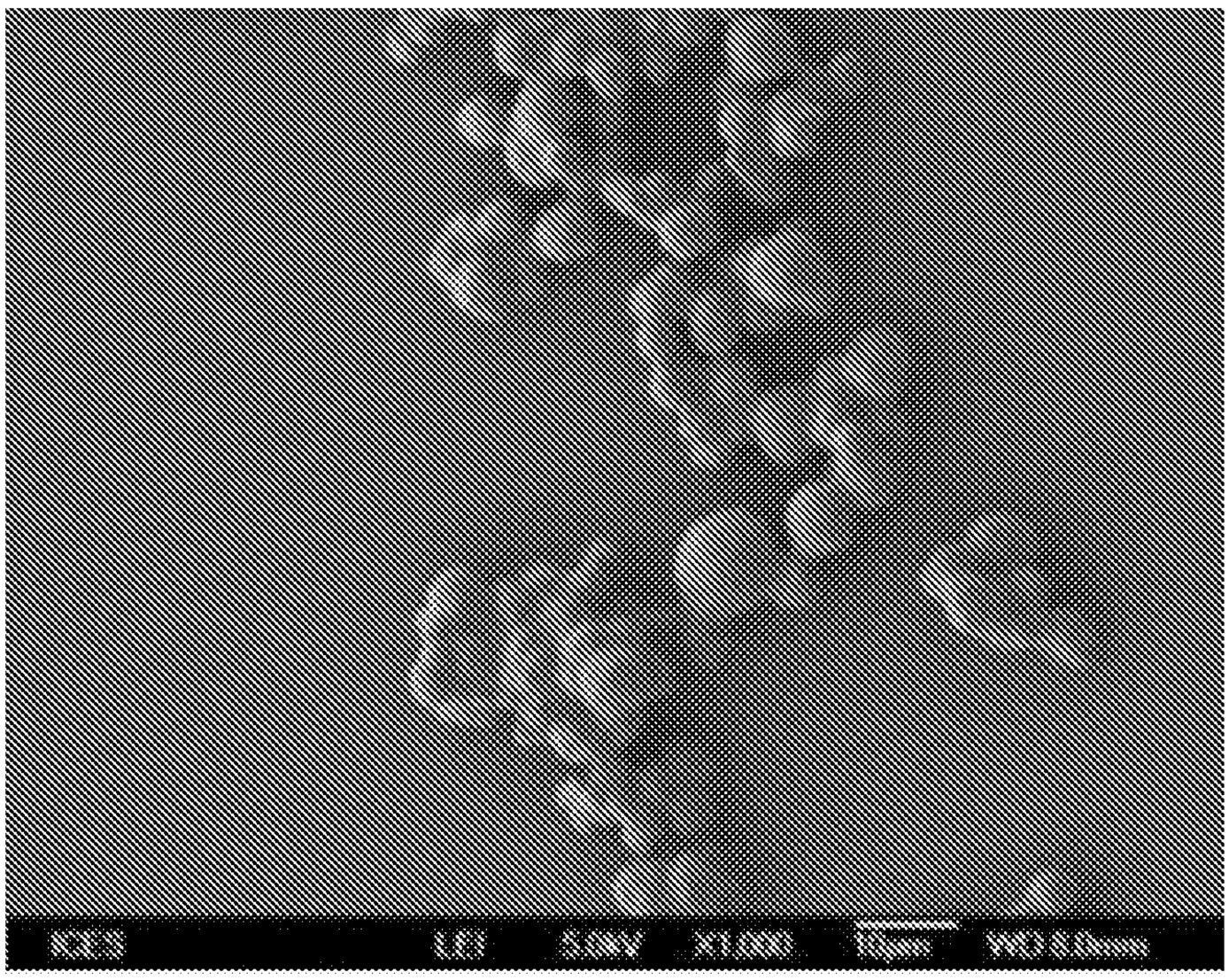


FIG. 7

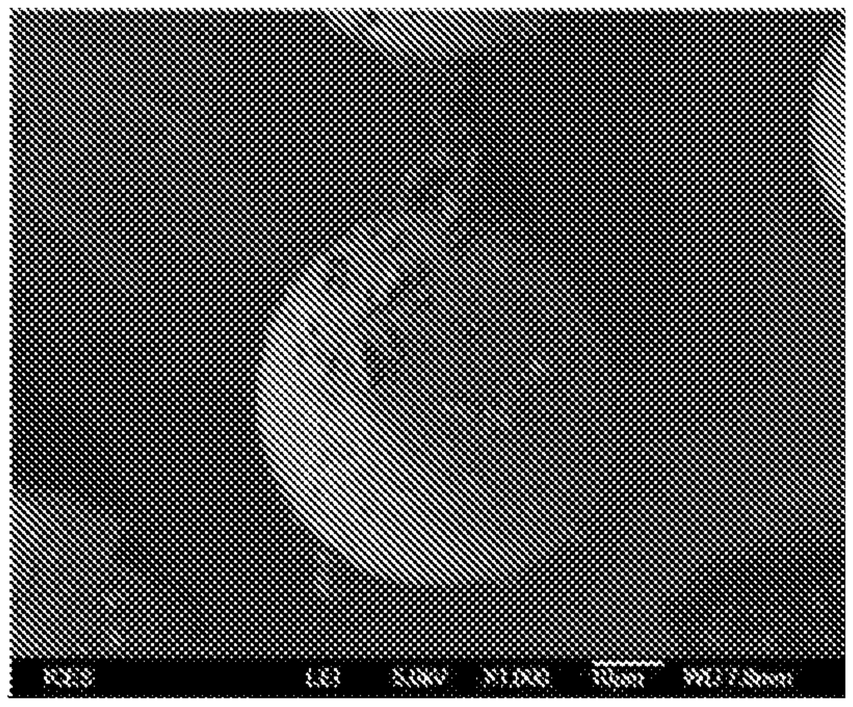


FIG. 8A

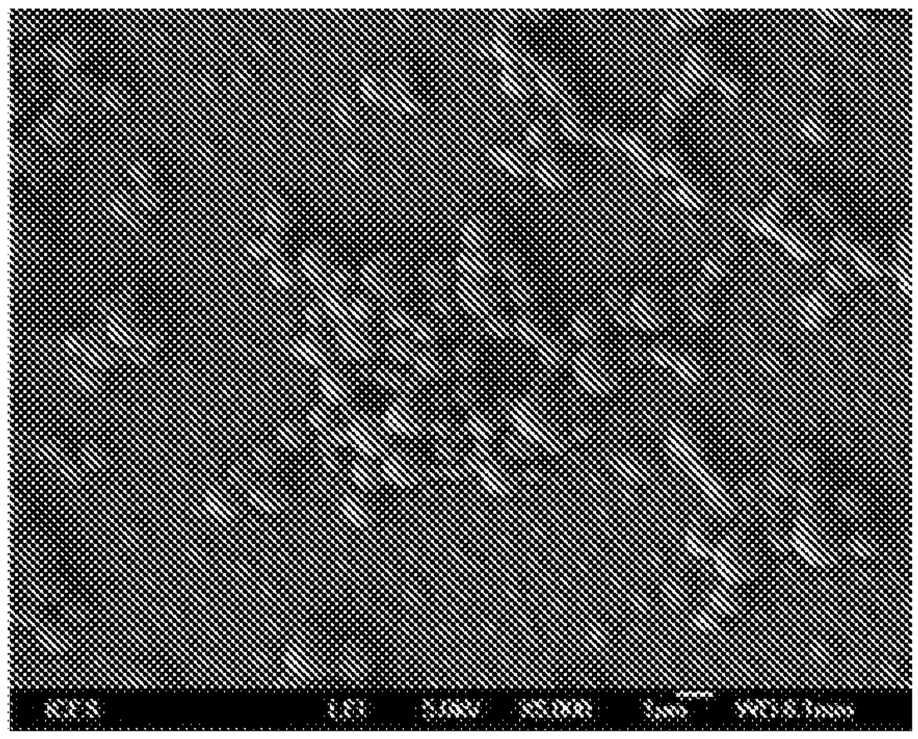


FIG. 8B

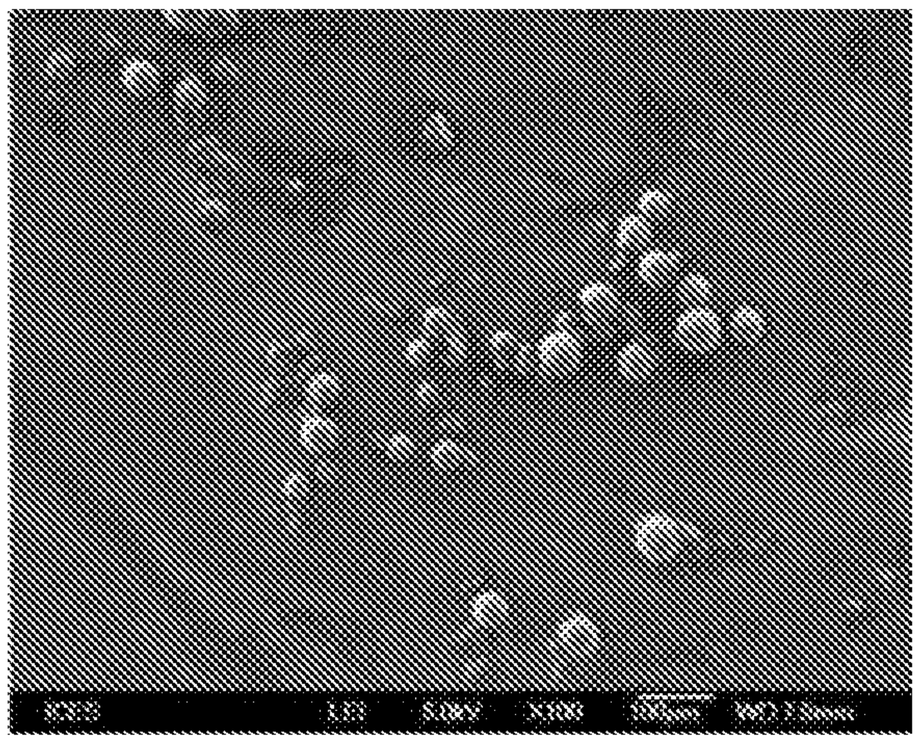


FIG. 8C

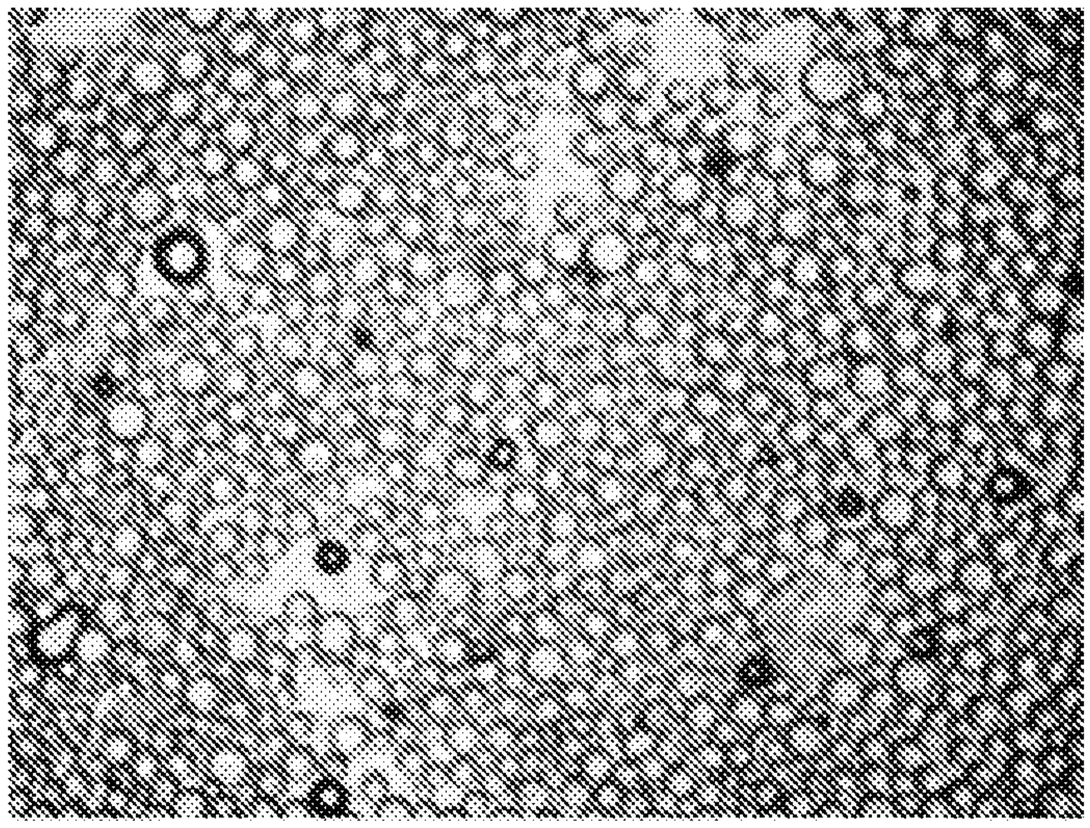


FIG. 9A

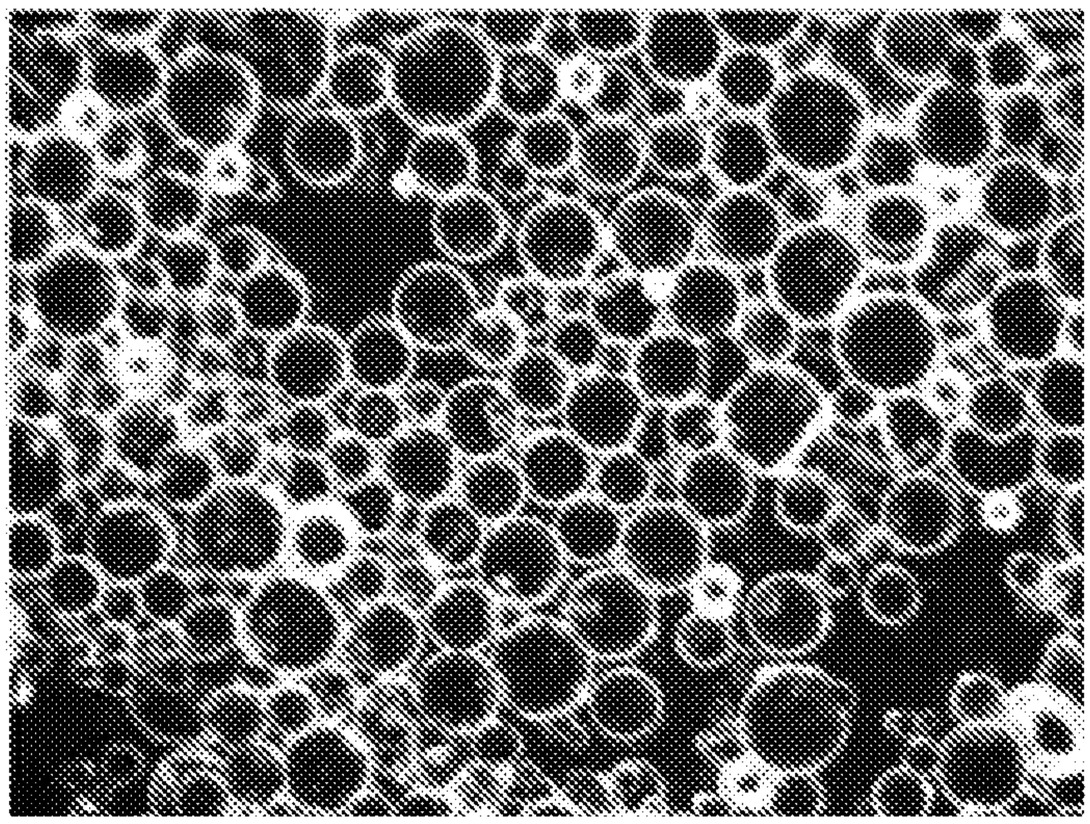


FIG. 9B

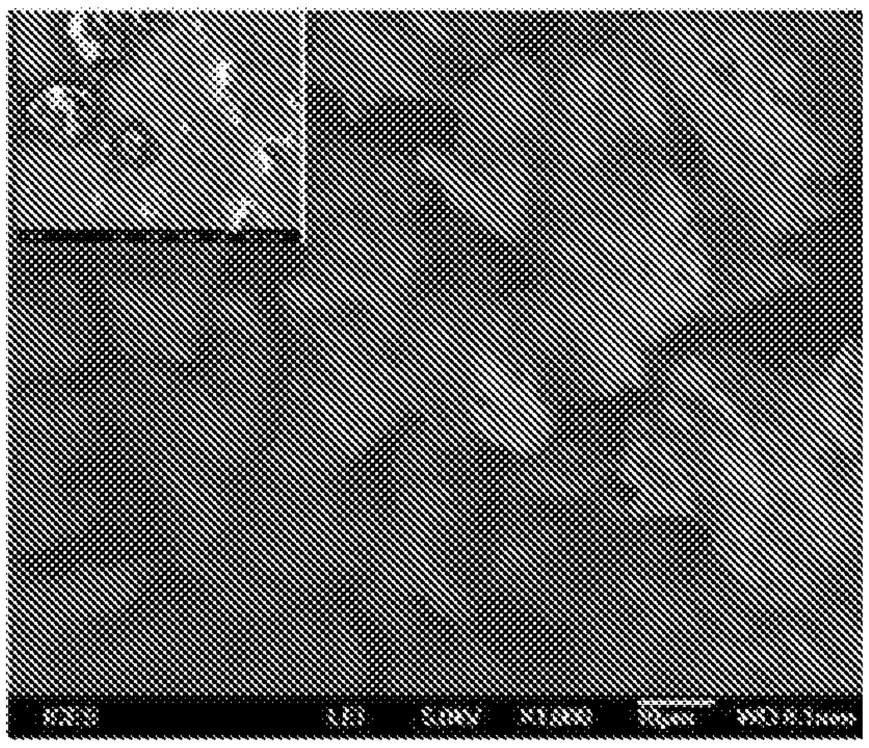


FIG. 10A

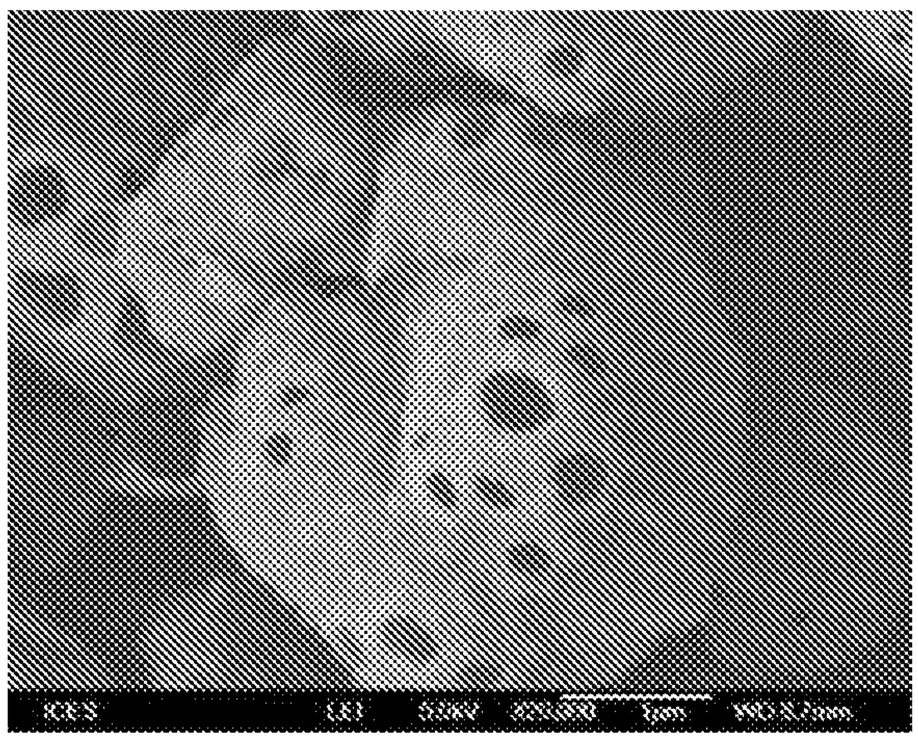


FIG. 10B

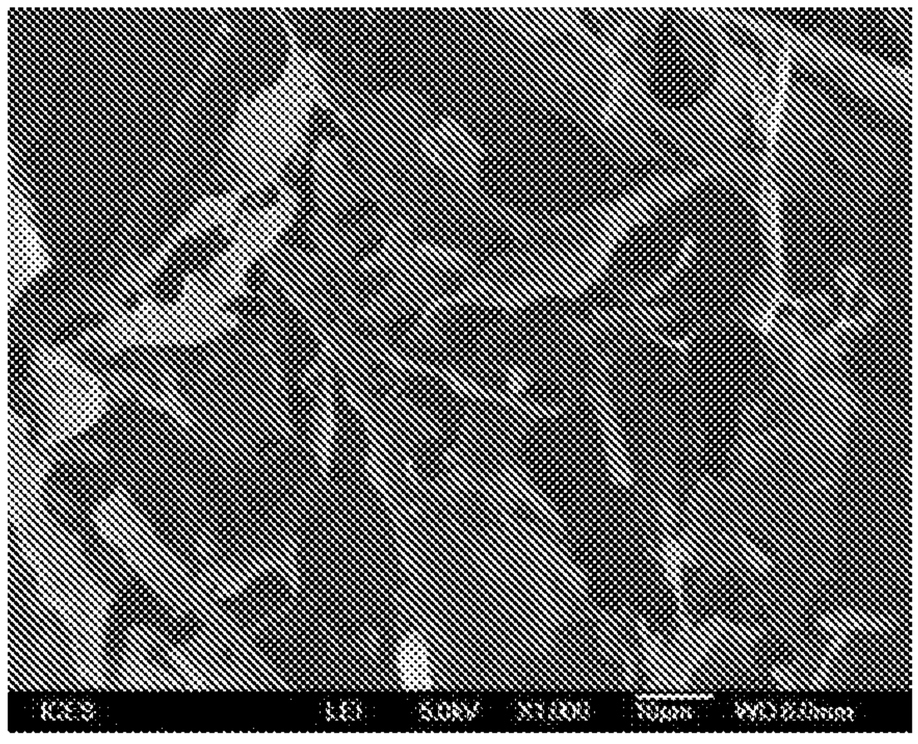


FIG. 10C

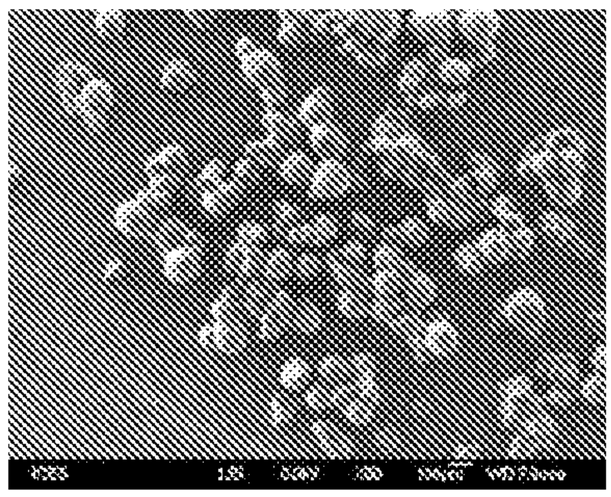
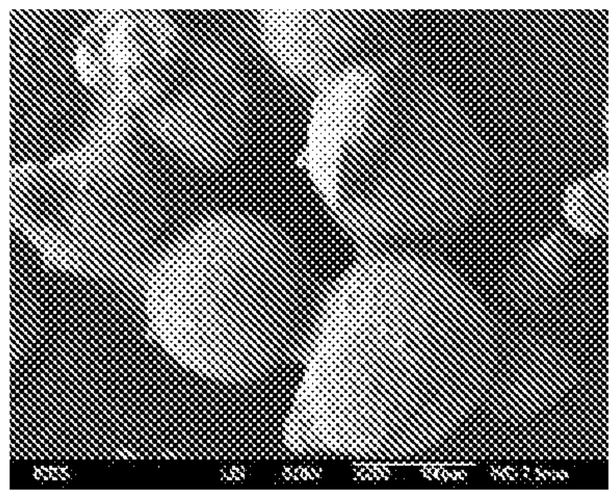
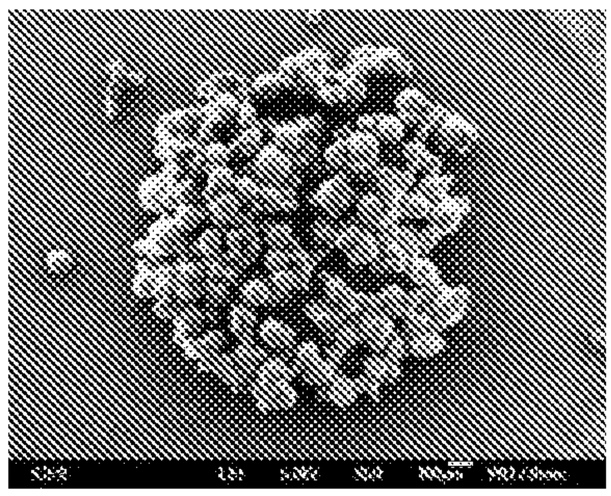
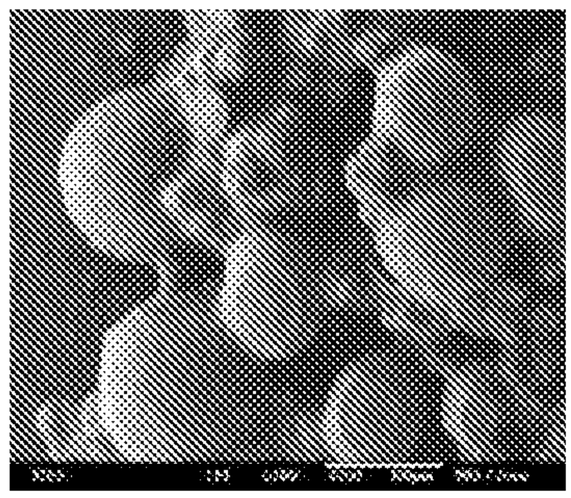
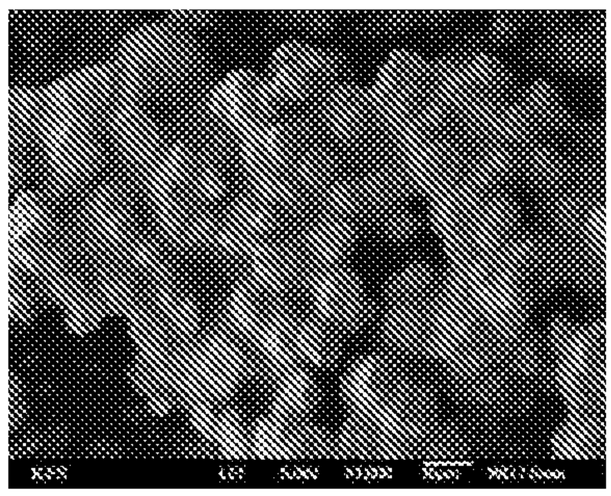
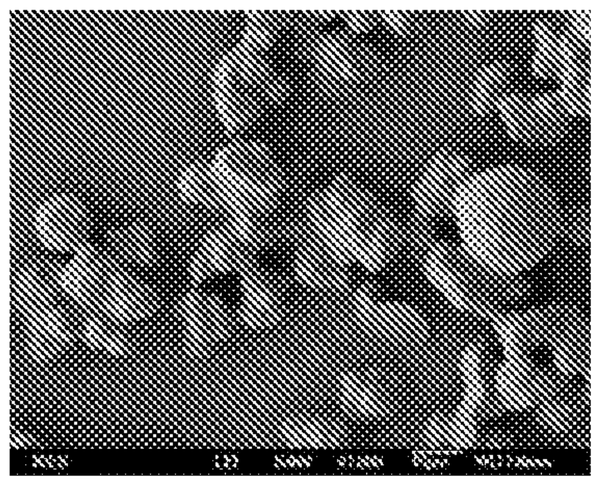
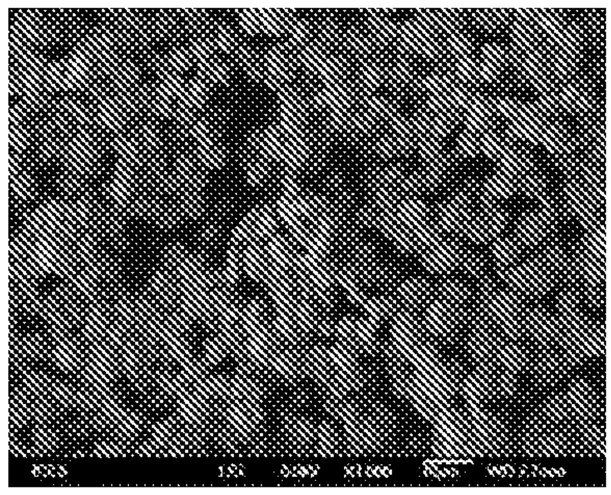
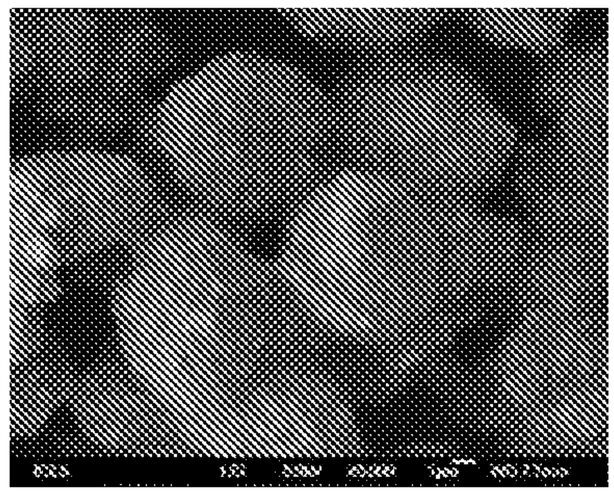
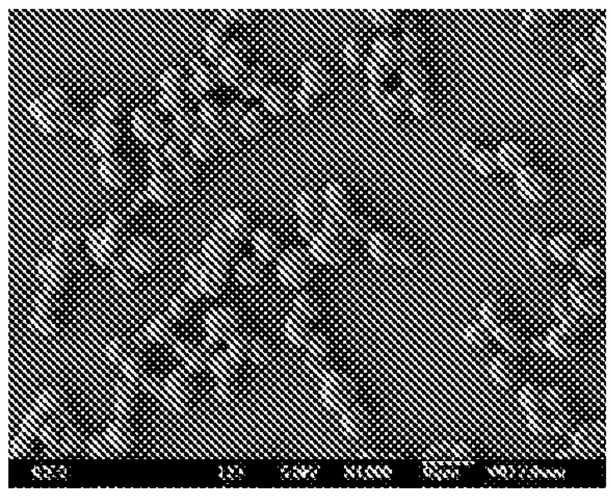
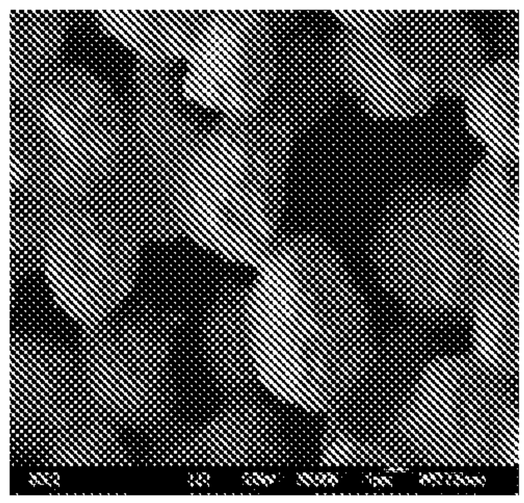
Trial No	
1	A  B 
2	A  B 
3	A  B 
4	A  B 
5	A  B 

FIG. 11

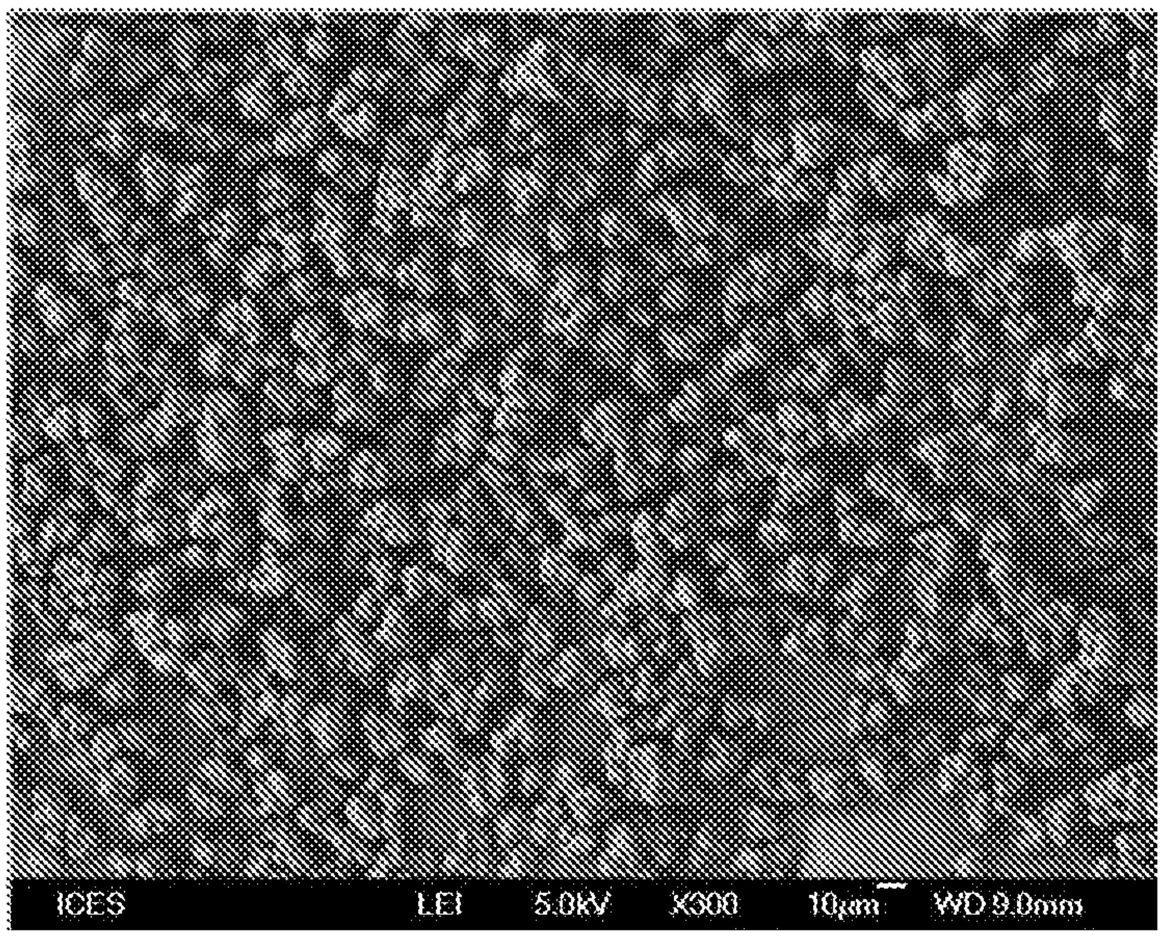


FIG. 12