Figures

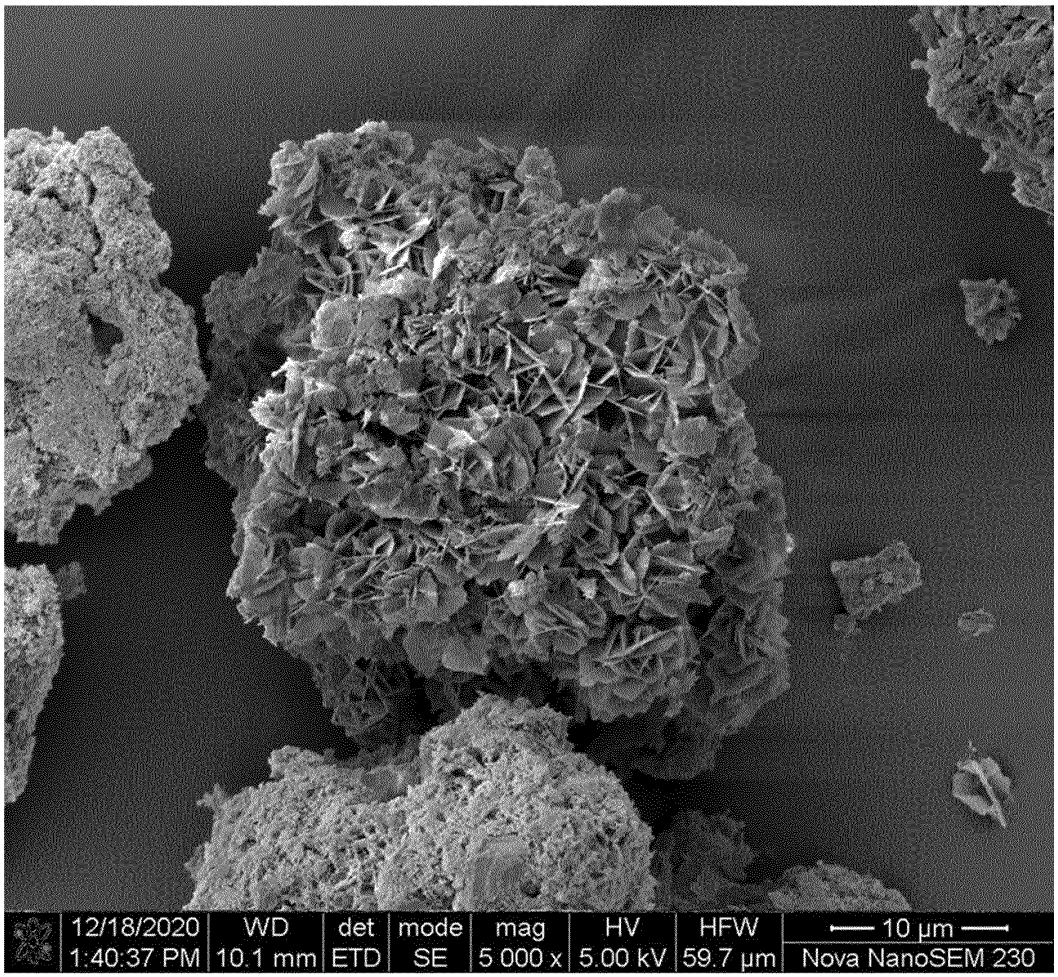


Fig. 1

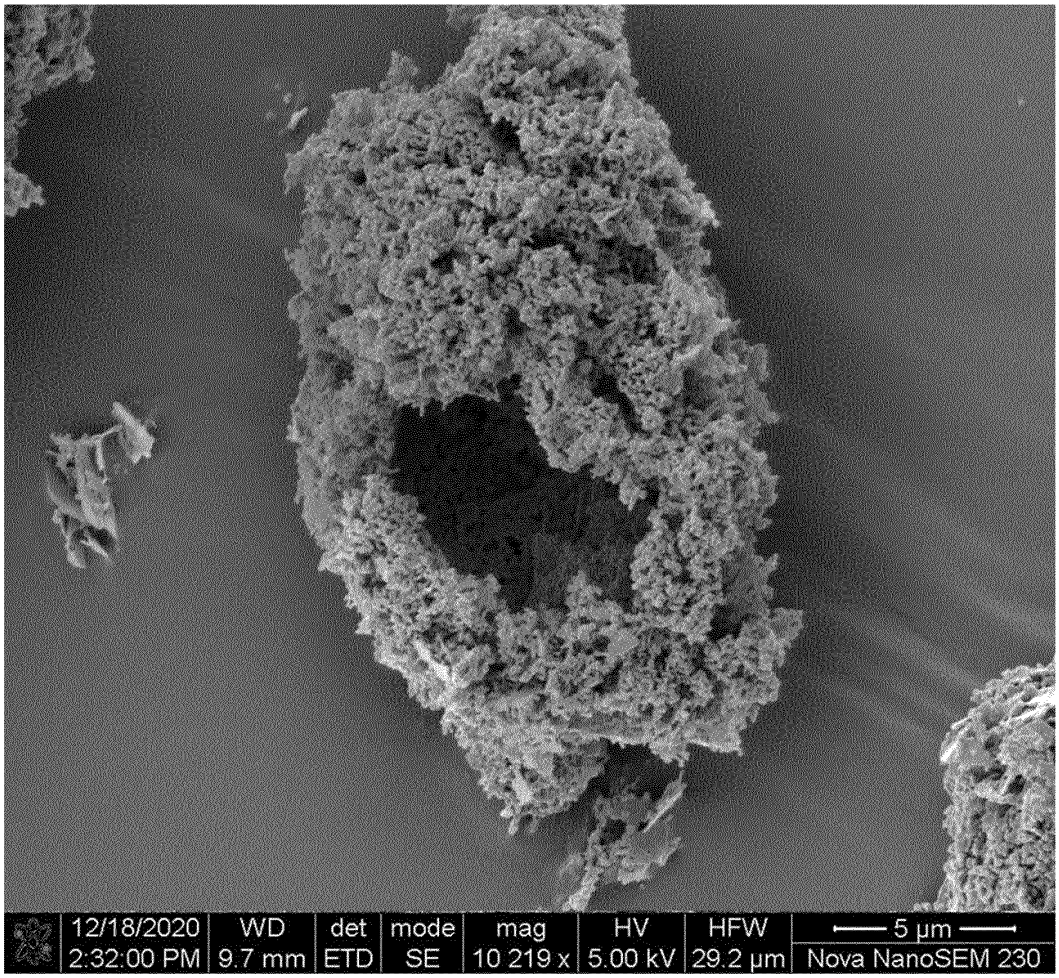

12/18/2020
2:32:00 PM
WD
9.7 mm
det
ETD
mode
SE
mag
10 219 x
HV
5.00 kV
HFW
29.2 µm
5 µm
Nova NanoSEM 230

Fig. 2

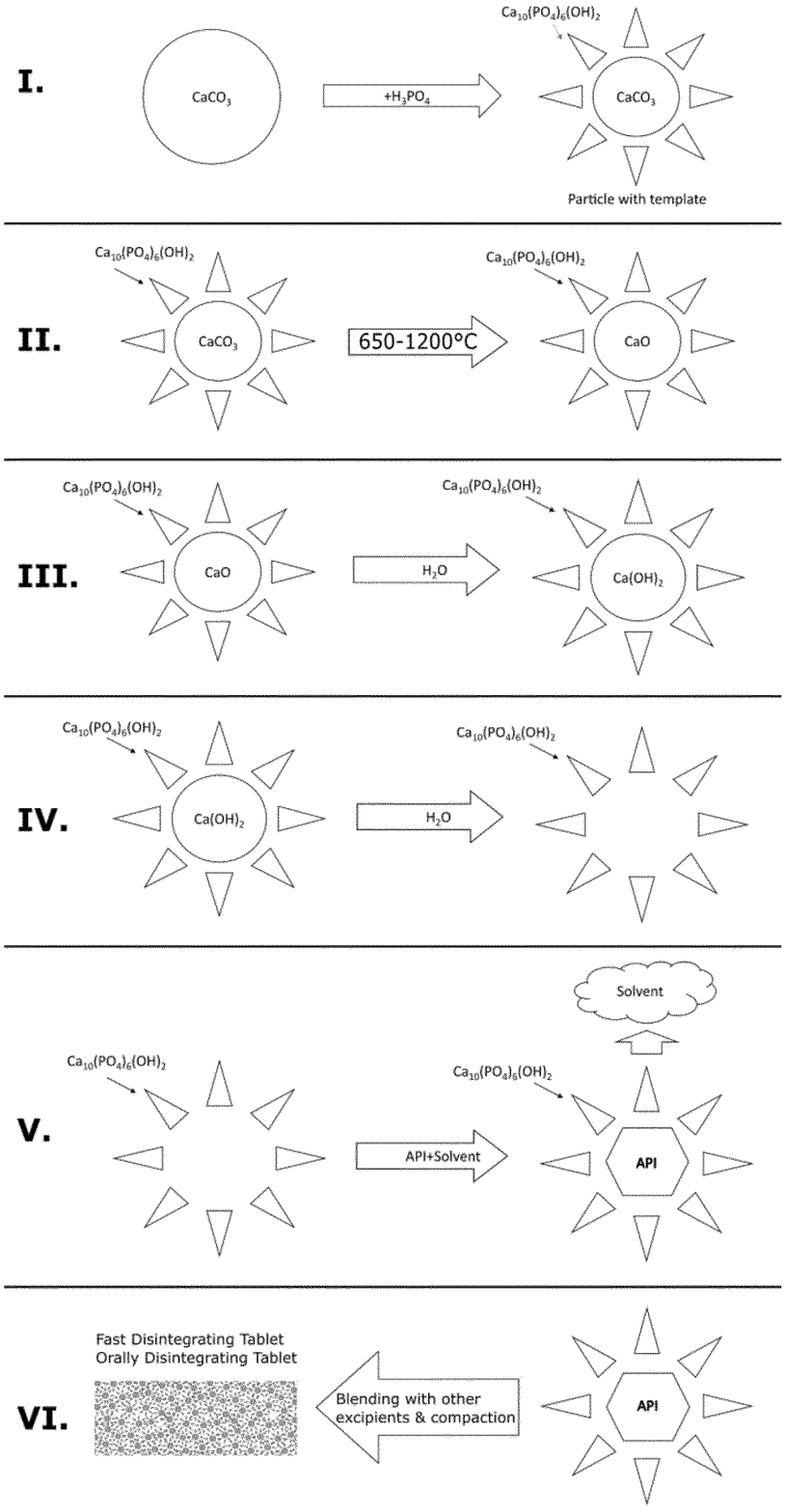
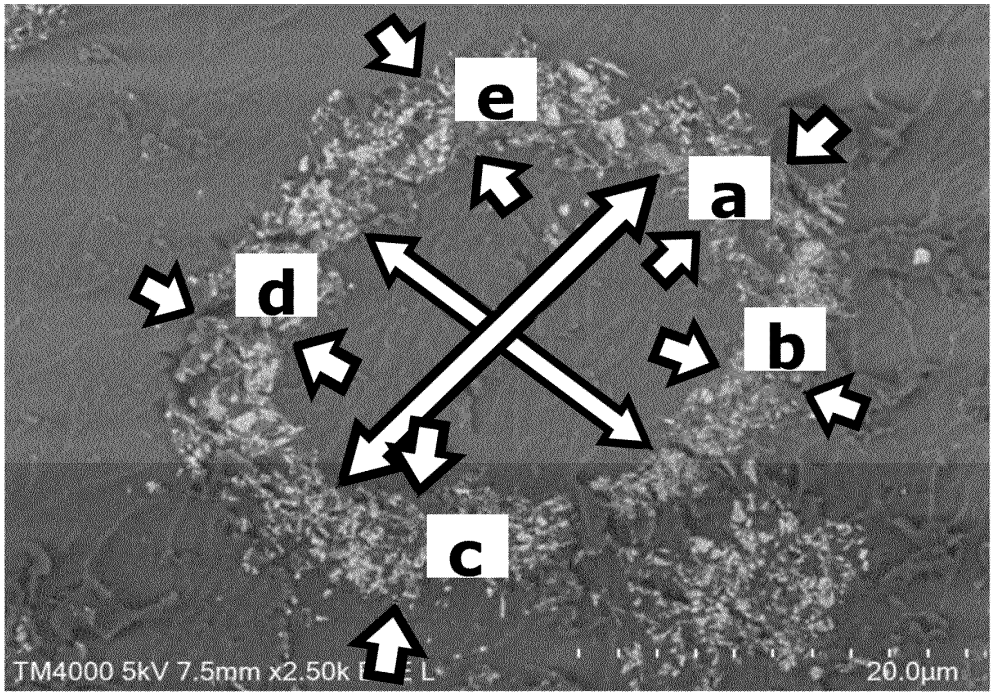

I.
CaCO3
+H3PO4
Ca10(PO4)6(OH)2
CaCO3
Particle with template
II.
Ca10(PO4)6(OH)2
CaCO3
650-1200°C
Ca10(PO4)6(OH)2
CaO
III.
Ca10(PO4)6(OH)2
CaO
H2O
Ca10(PO4)6(OH)2
Ca(OH)2
IV.
Ca10(PO4)6(OH)2
Ca(OH)2
H2O
Ca10(PO4)6(OH)2
V.
Solvent
Ca10(PO4)6(OH)2
API+Solvent
Ca10(PO4)6(OH)2
API
VI.
Fast Disintegrating Tablet
Orally Disintegrating Tablet
Blending with other
excipients & compaction
API

Fig. 3

A



B

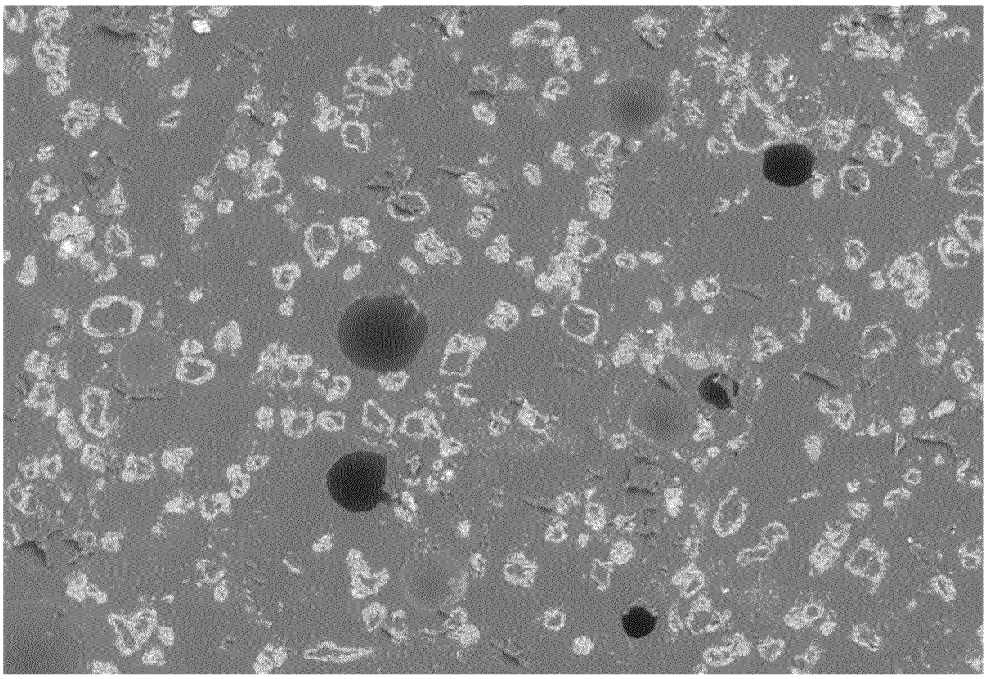


Fig. 4

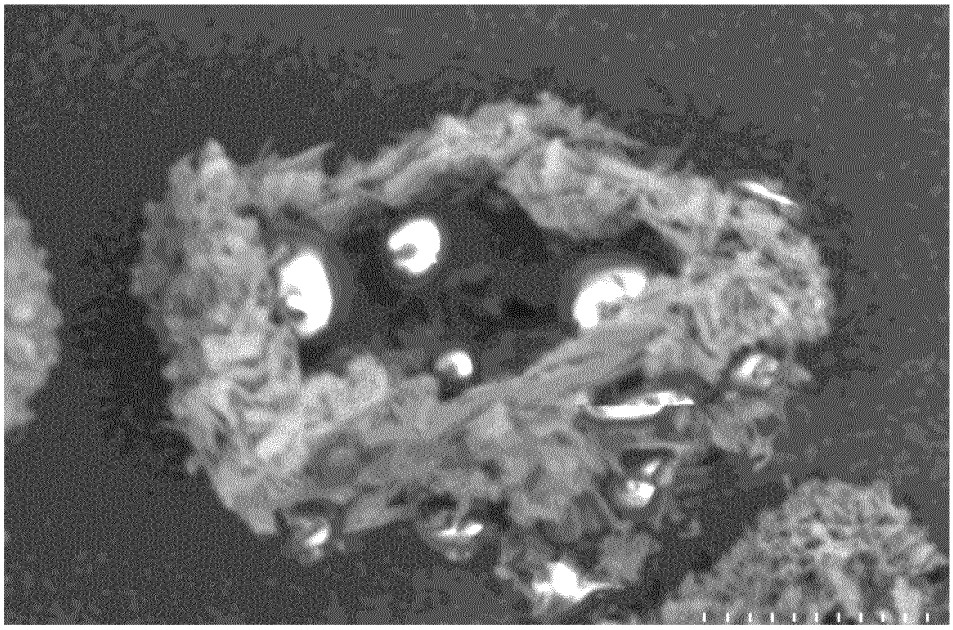


Fig. 5

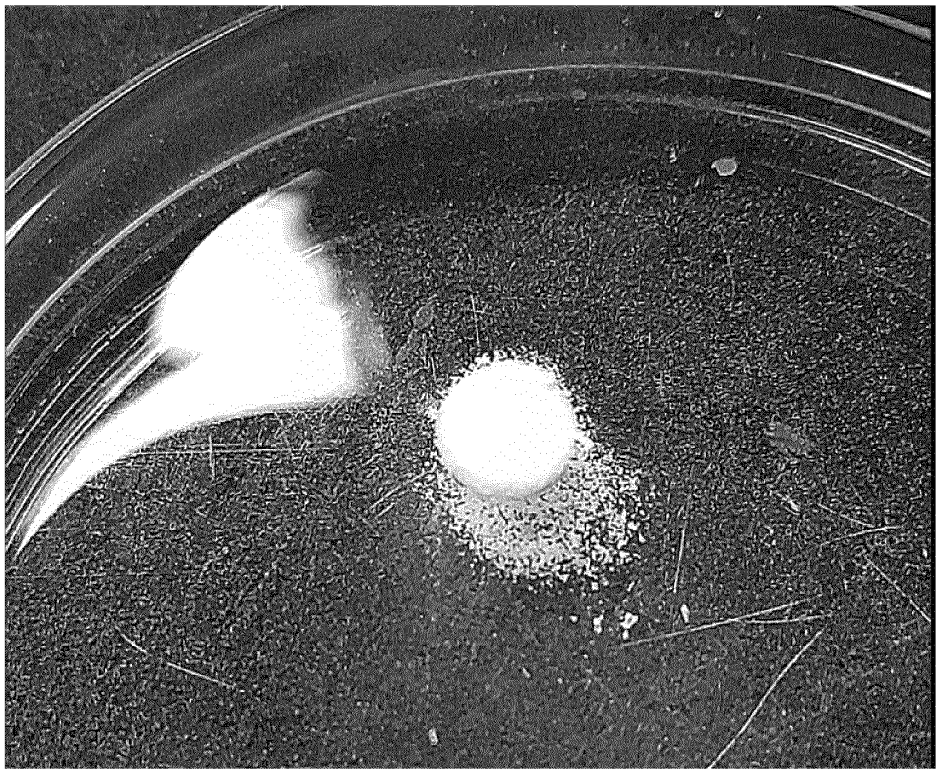


Fig. 6

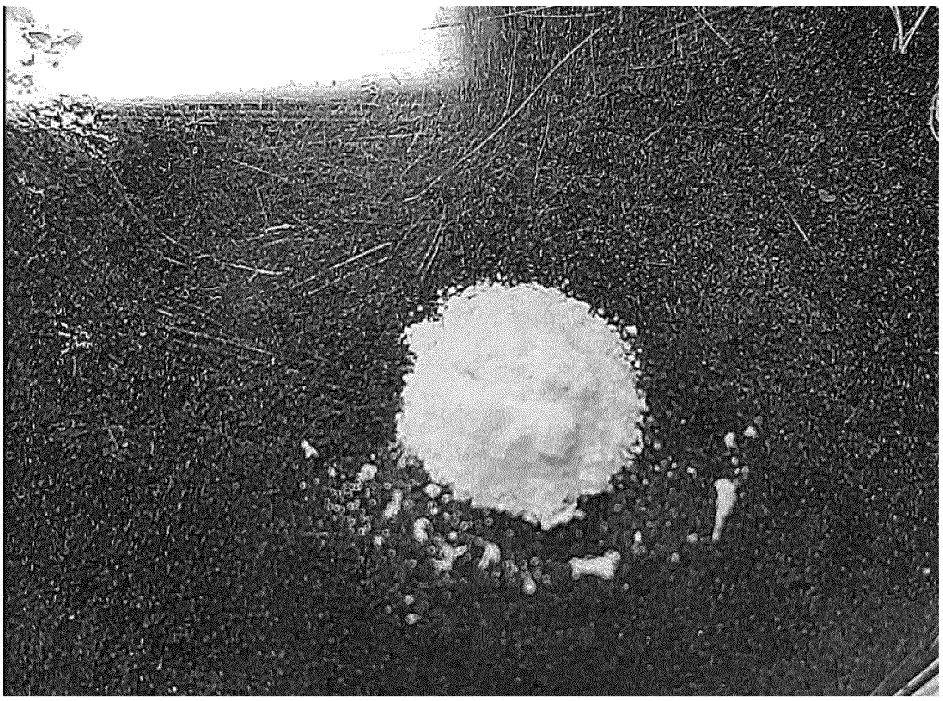


Fig. 7

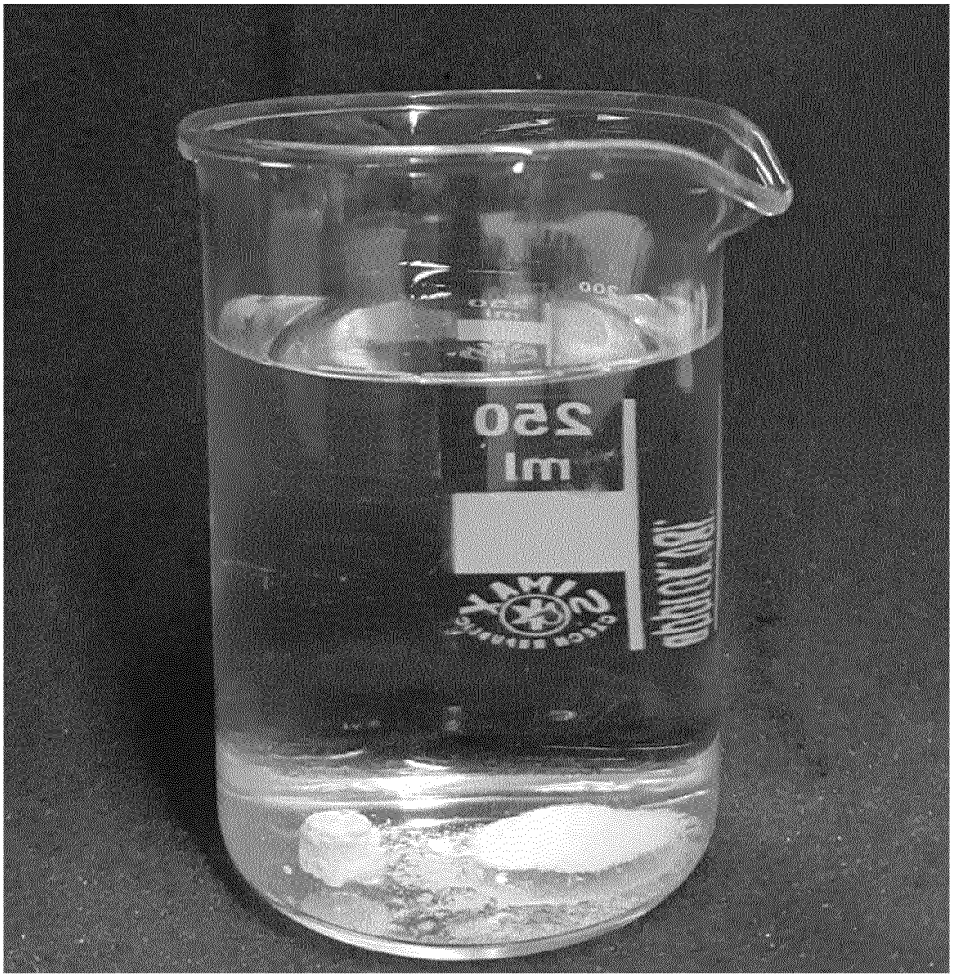


Fig. 8A



Fig. 8B



Fig. 9



Fig. 10

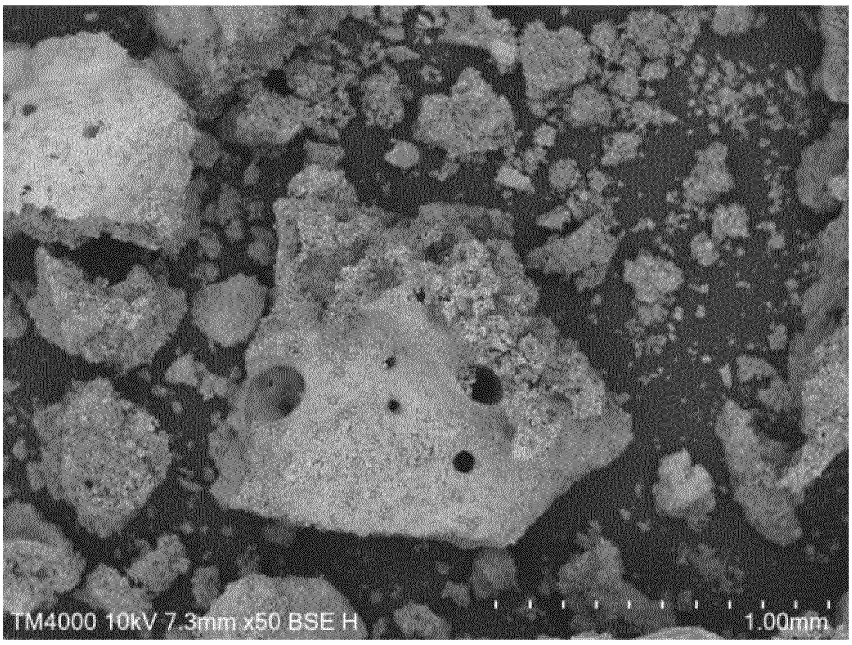

TM4000 10kV 7.3mm x50 BSE H
1.00mm

Fig. 11

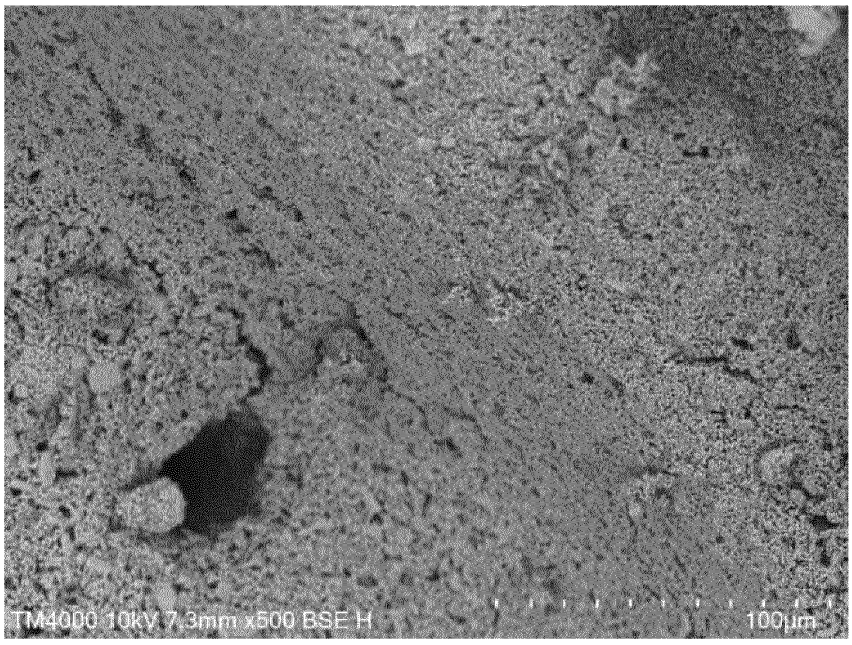

TM4000 10kV 7.3mm x500 BSE H
100µm

Fig. 12

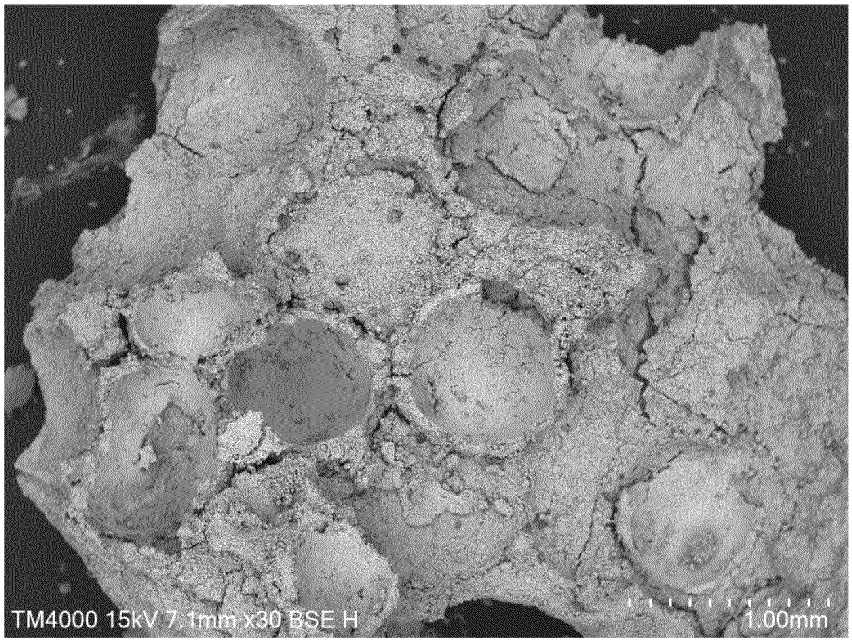


Fig. 13