FIG. 1

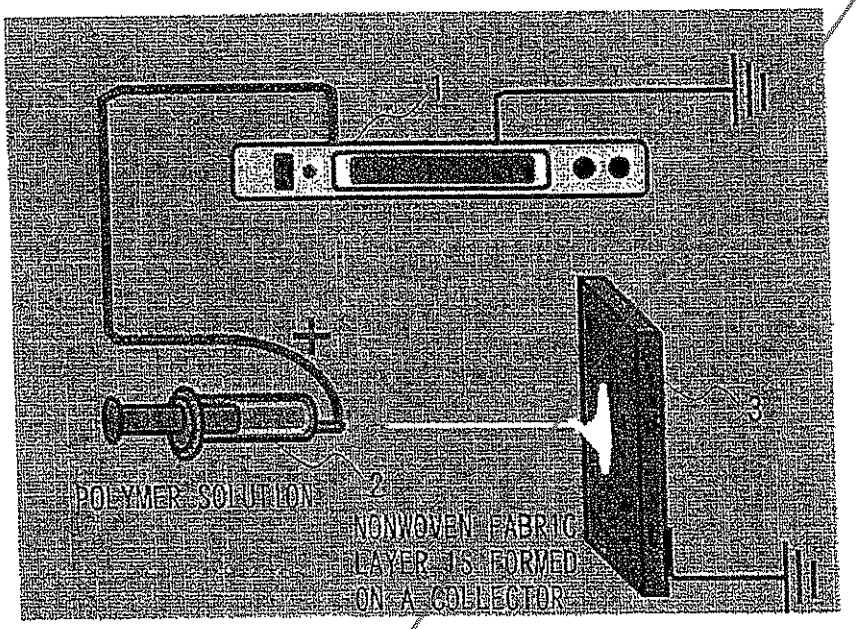

1
3
POLYMER SOLUTION
2
NONWOVEN FABRIC LAYER IS FORMED ON A COLLECTOR

FIG. 2

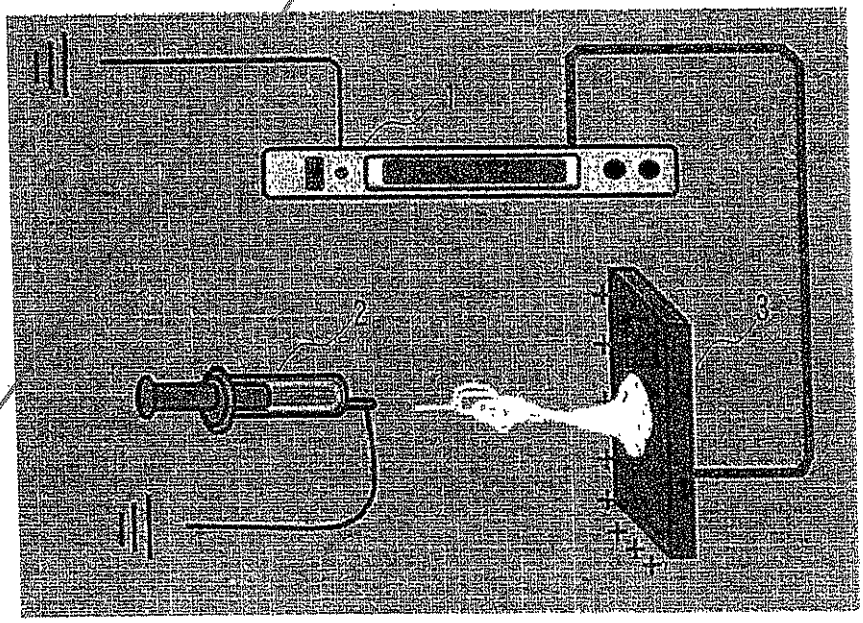

1
2
3

FIG. 3

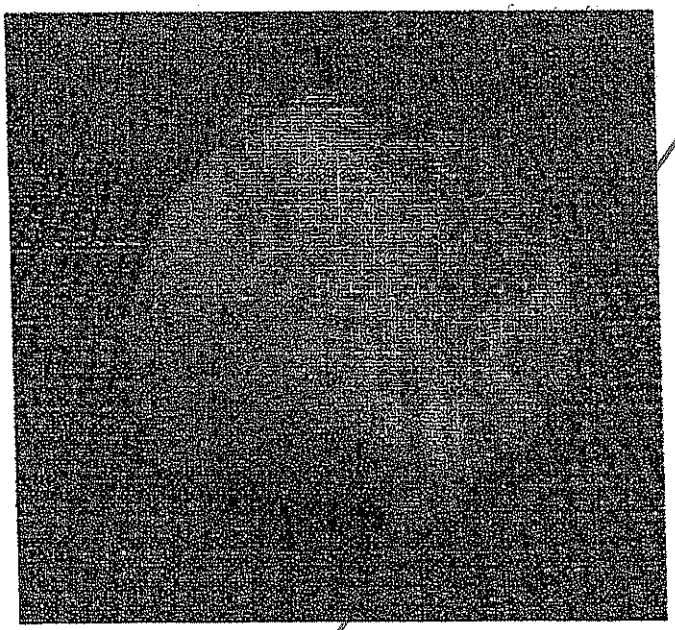


FIG. 4

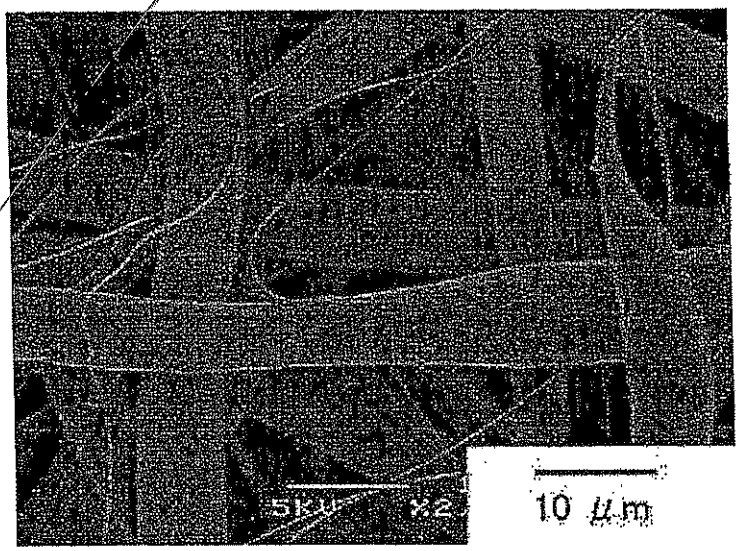


FIG. 5

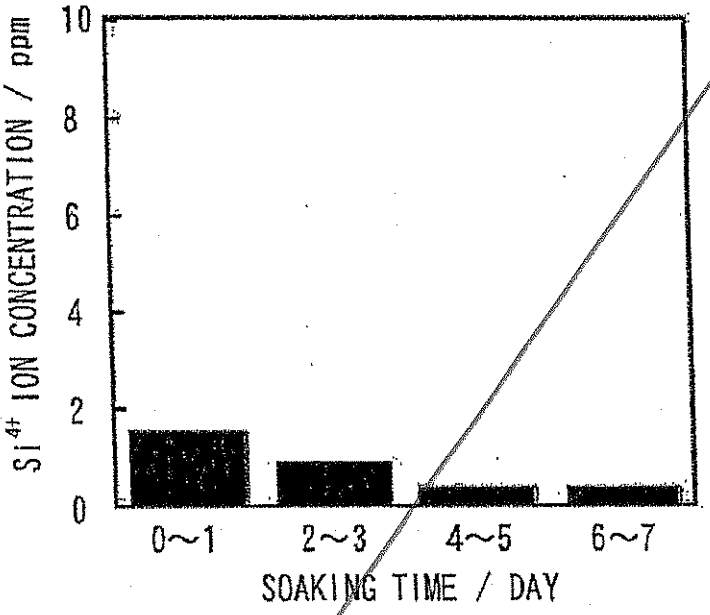

Si^{4+} ION CONCENTRATION / ppm
10
8
6
4
2
0
0~1
2~3
4~5
6~7
SOAKING TIME / DAY

FIG. 6

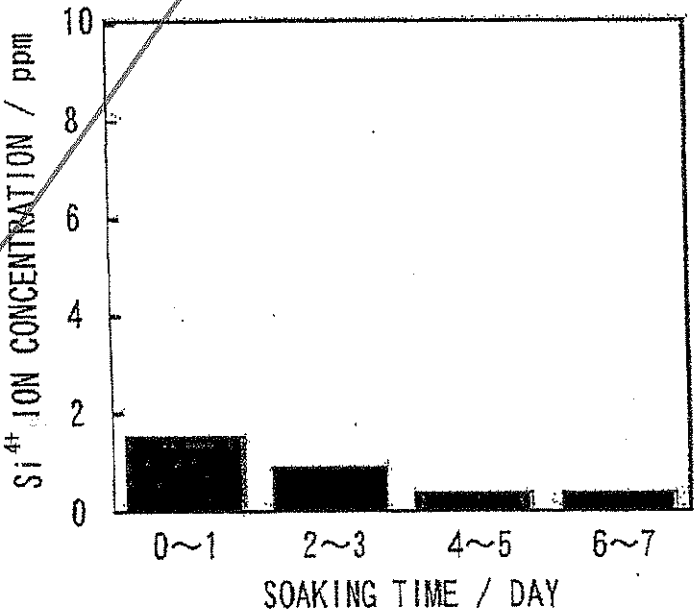

Si^{4+} ION CONCENTRATION / ppm
10
8
6
4
2
0
0~1
2~3
4~5
6~7
SOAKING TIME / DAY

FIG. 7

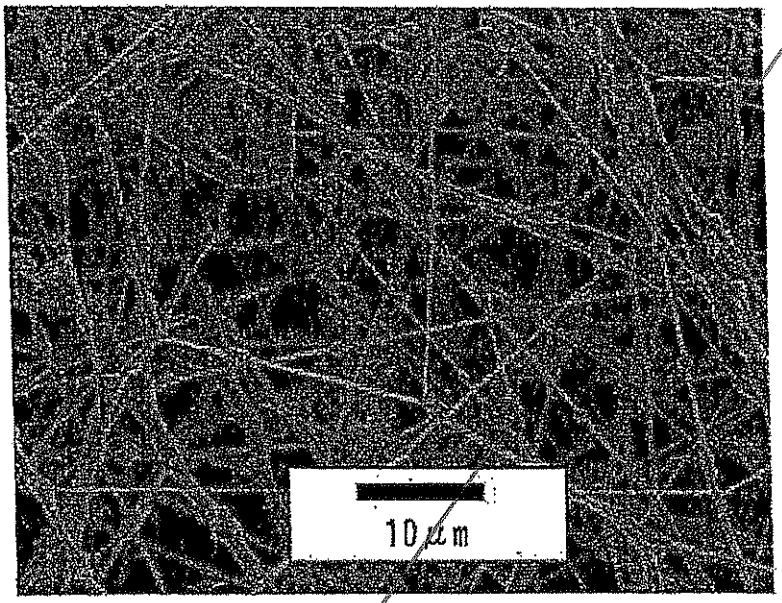


FIG. 8

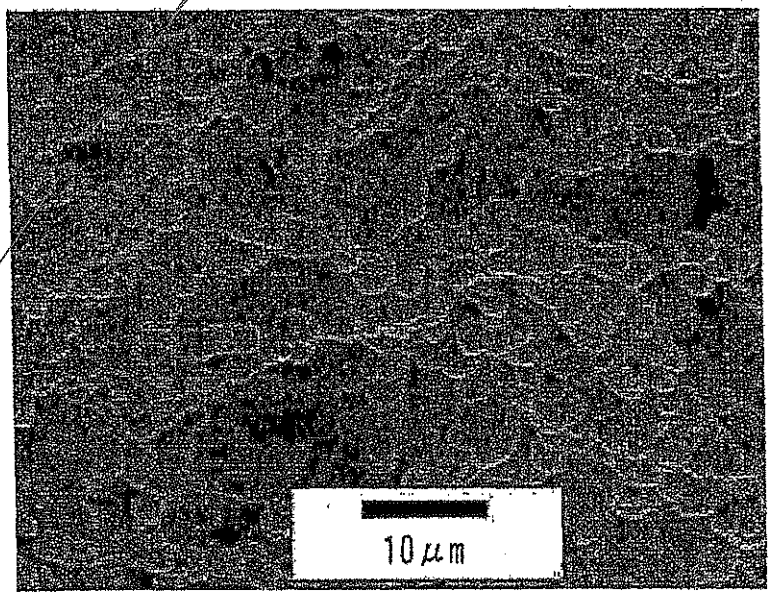


FIG. 9

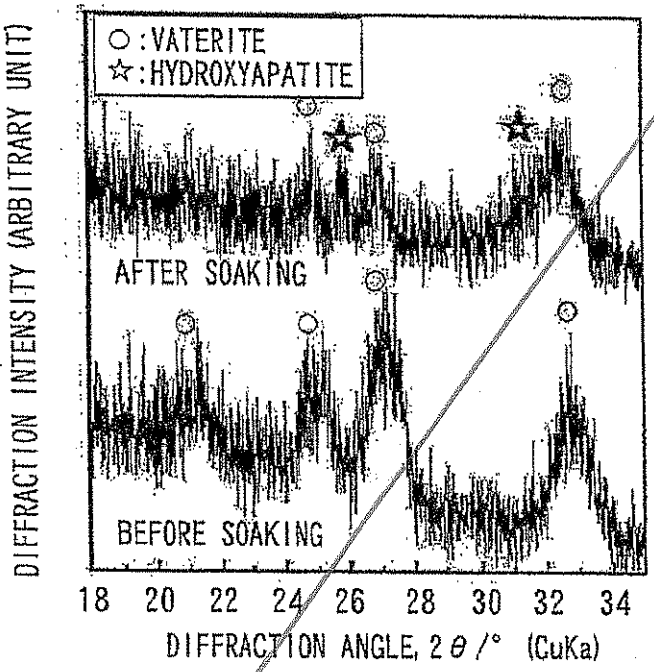

○:VATERITE
☆:HYDROXYAPATITE
AFTER SOAKING
BEFORE SOAKING
DIFFRACTION INTENSITY (ARBITRARY UNIT)
18 20 22 24 26 28 30 32 34
DIFFRACTION ANGLE, 2θ/° (CuKa)

FIG. 10

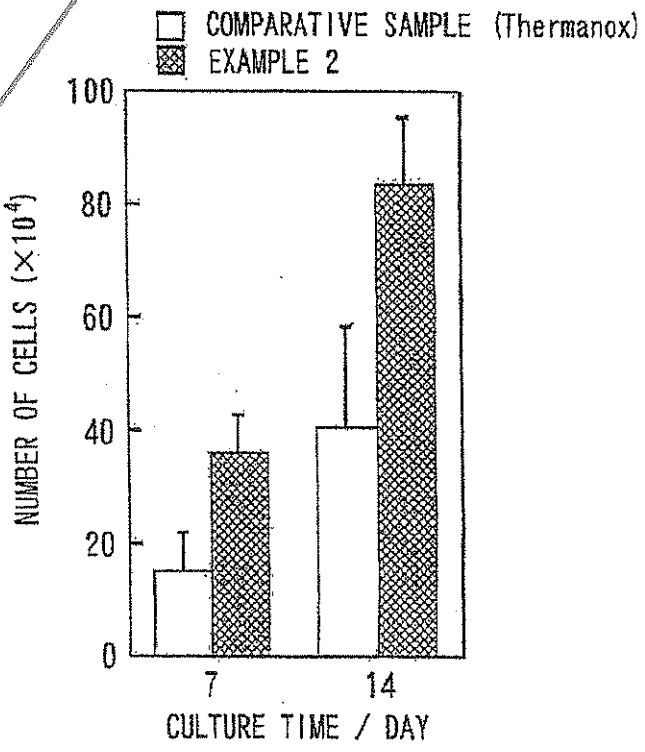

COMPARATIVE SAMPLE (Thermanox)
EXAMPLE 2
NUMBER OF CELLS (×10⁴)
100
80
60
40
20
0
7
14
CULTURE TIME / DAY

FIG. 11

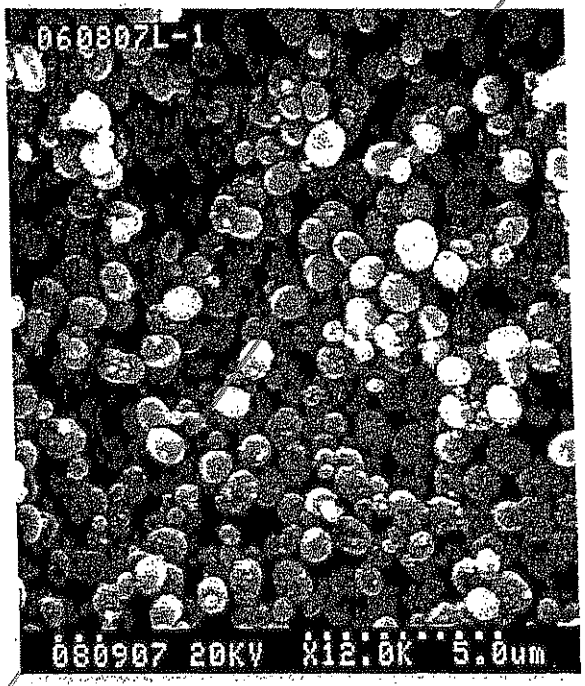


FIG. 12

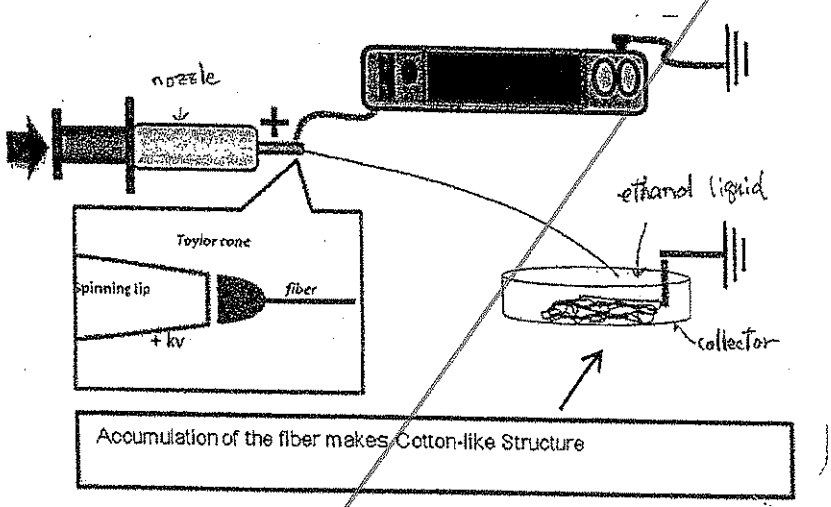

nozzle
Taylor cone
spinning tip
fiber
+ kv
ethanol liquid
collector
Accumulation of the fiber makes Cotton-like Structure

FIG. 13

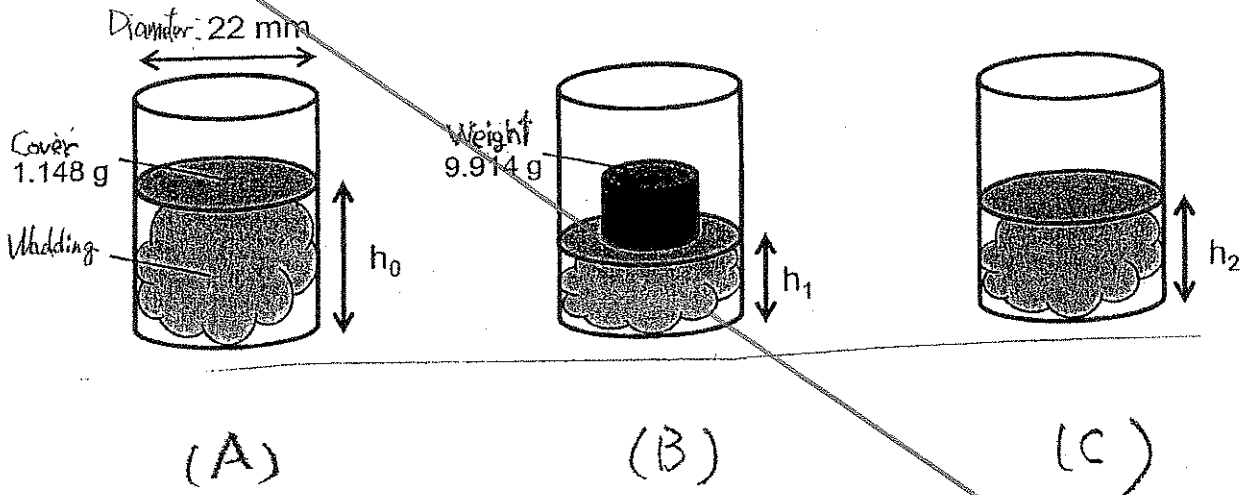


FIG. 1

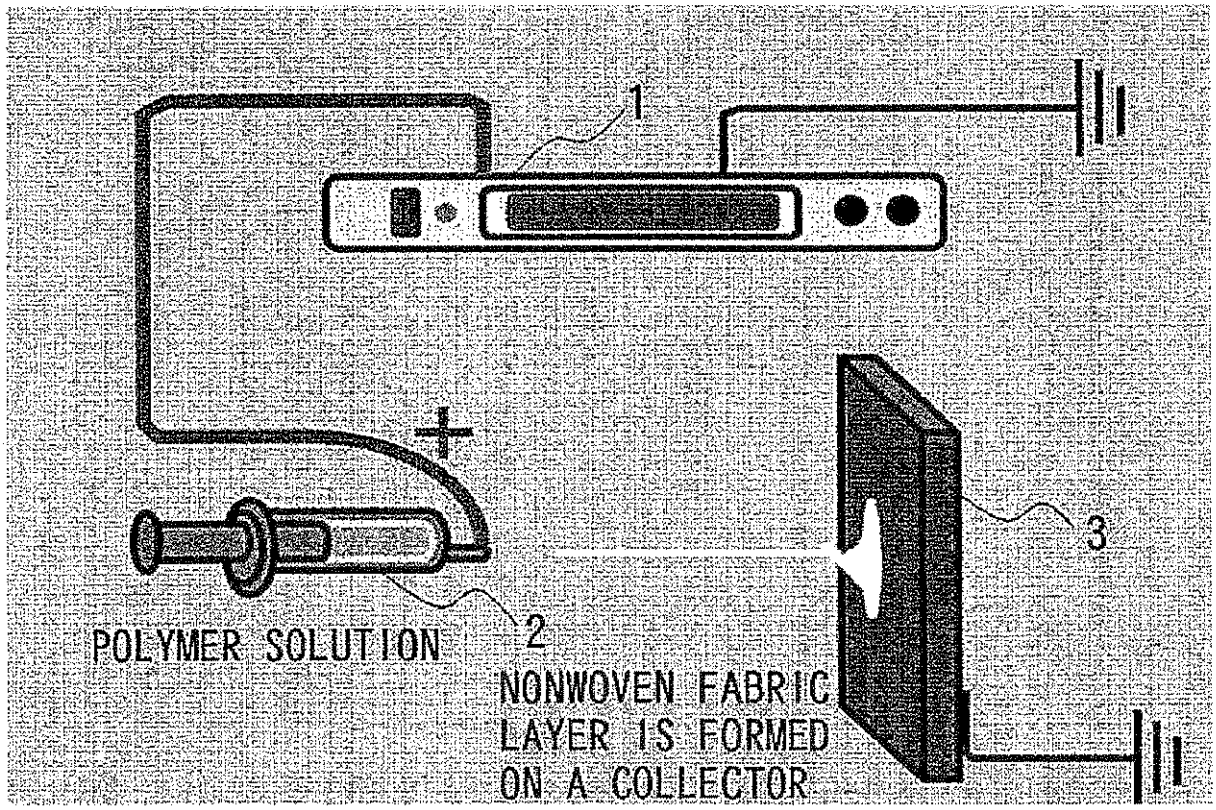

1
+
POLYMER SOLUTION
2
NONWOVEN FABRIC
LAYER IS FORMED
ON A COLLECTOR
3

FIG. 2

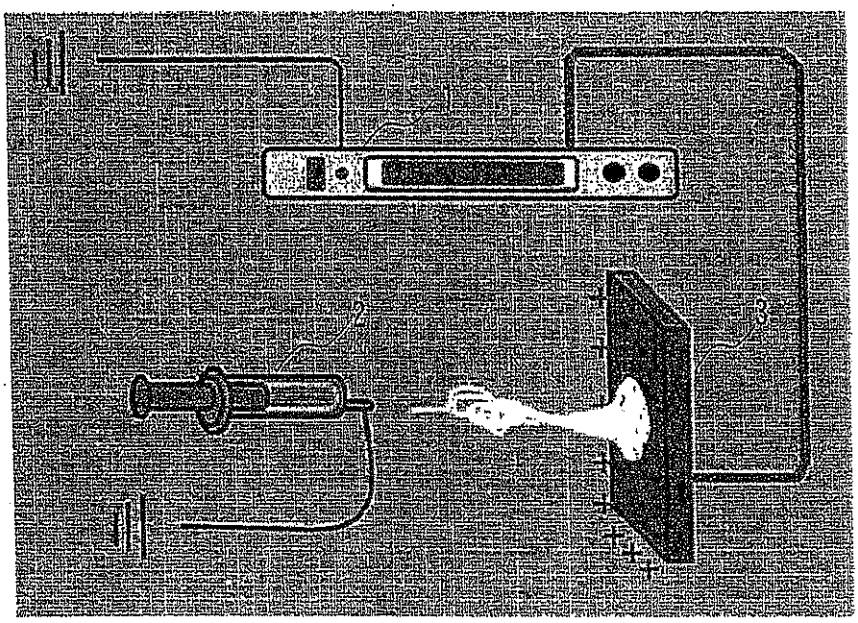


FIG. 3

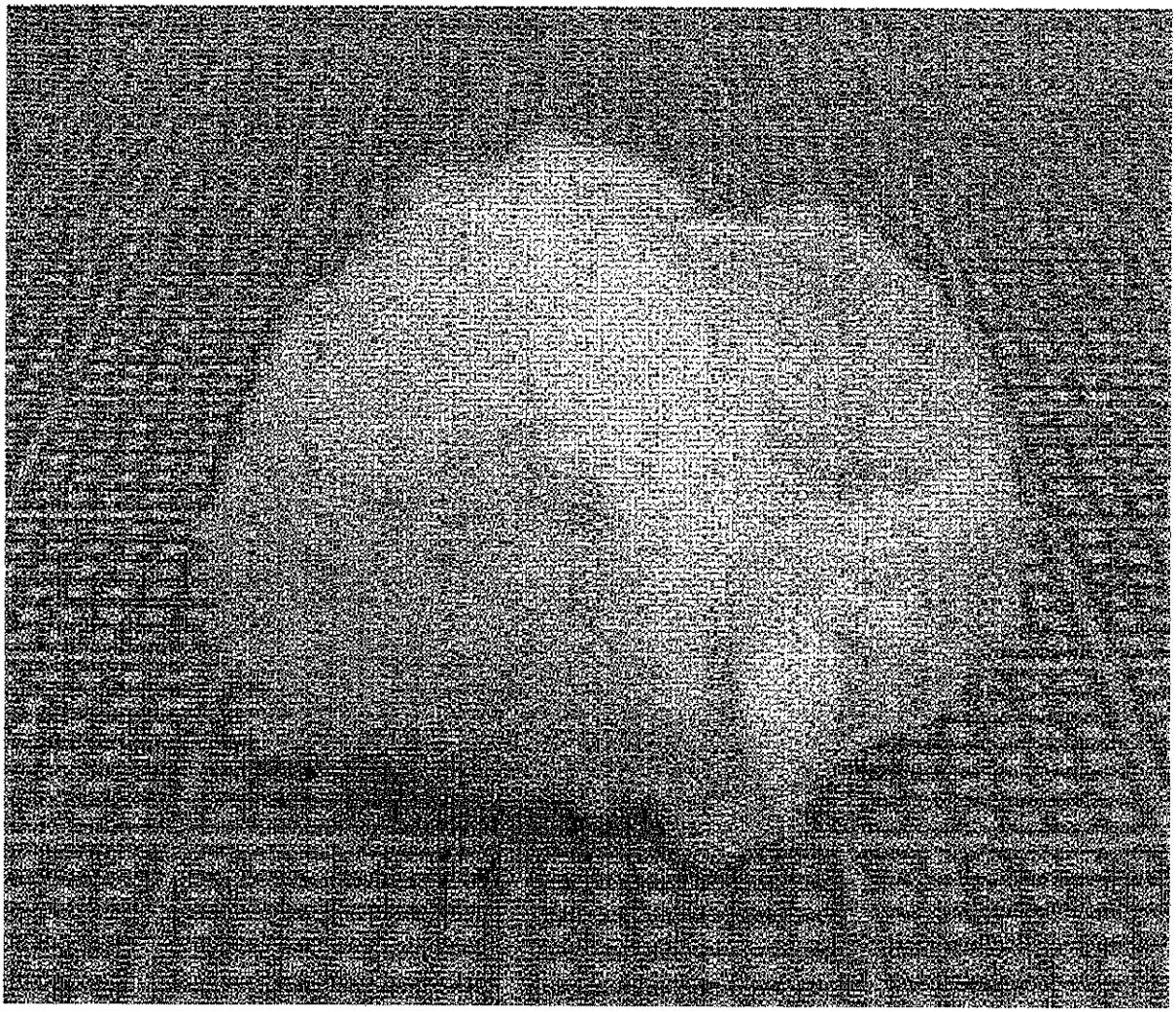


FIG. 4

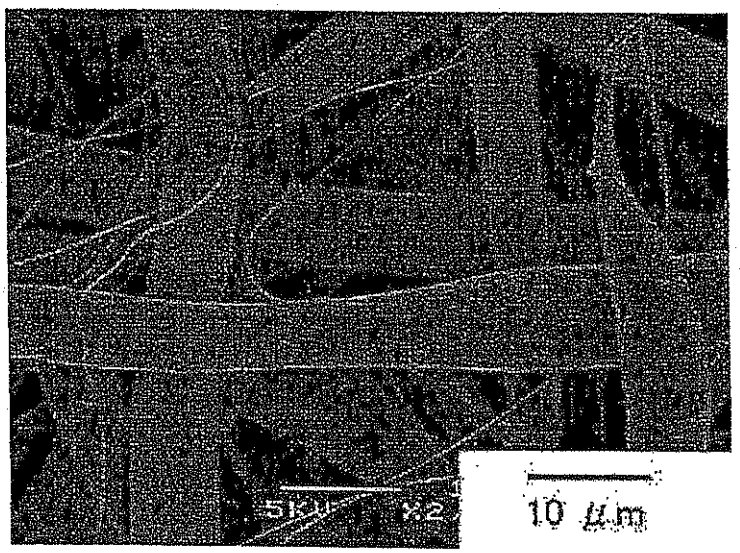


FIG. 5

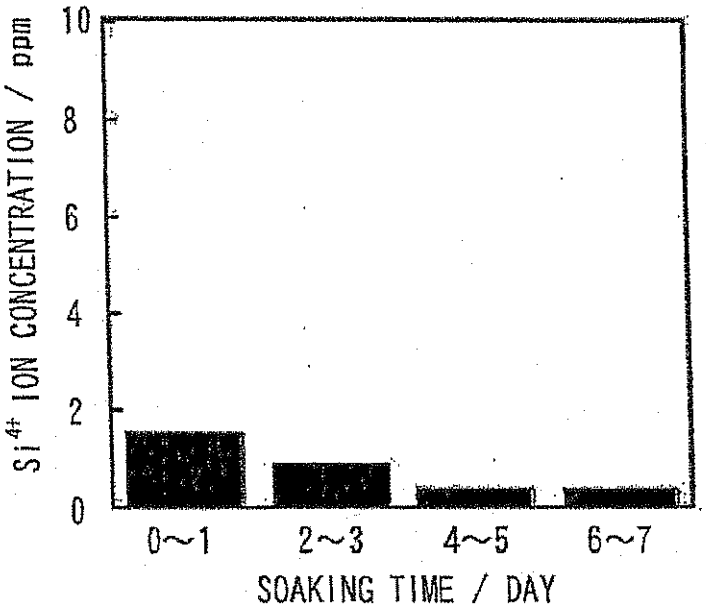

10
8
6
4
2
0
Si4+ ION CONCENTRATION / ppm
0~1
2~3
4~5
6~7
SOAKING TIME / DAY

FIG. 6

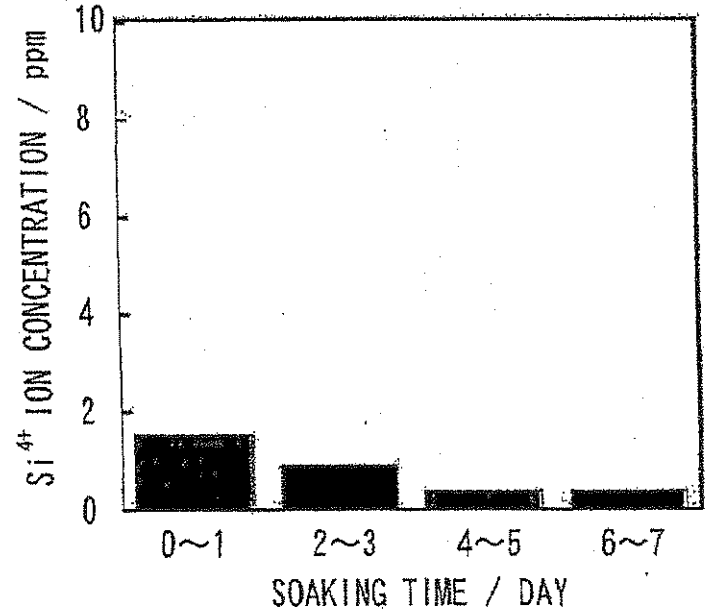

10
8
6
4
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0
Si4+ ION CONCENTRATION / ppm
0~1
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SOAKING TIME / DAY

FIG. 7

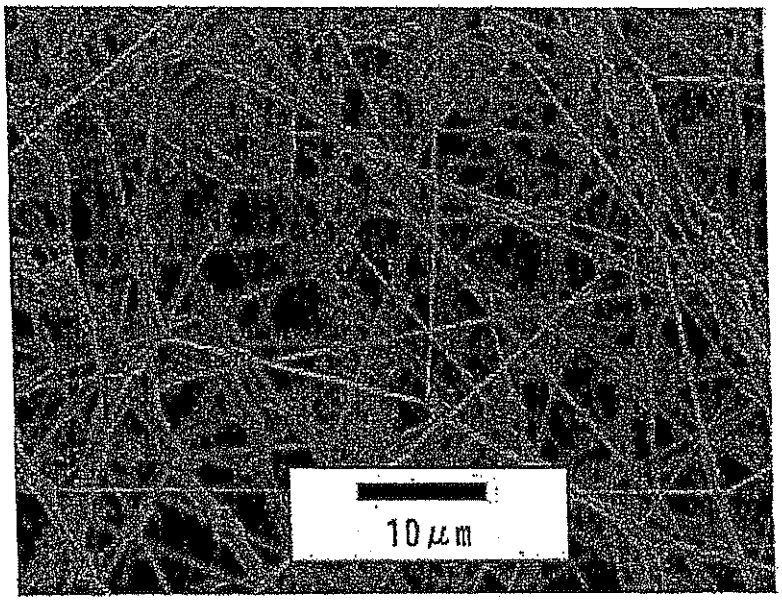


FIG. 8

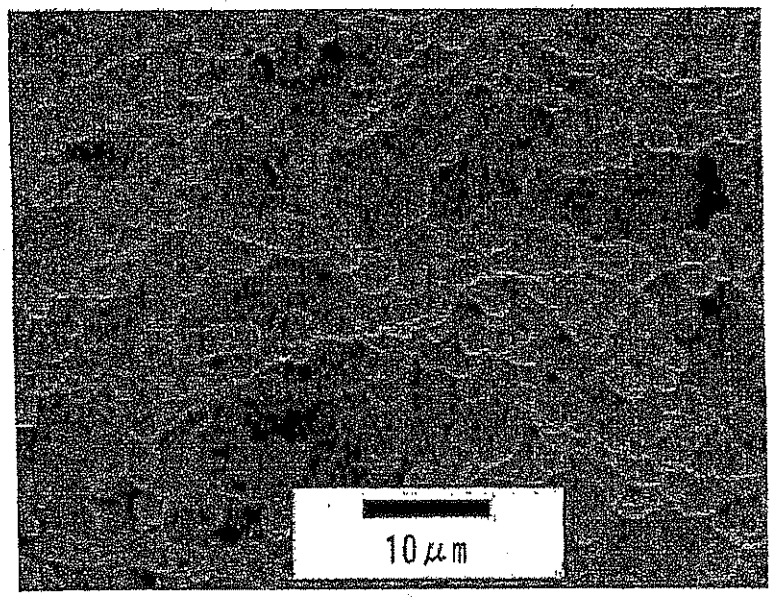


FIG. 9

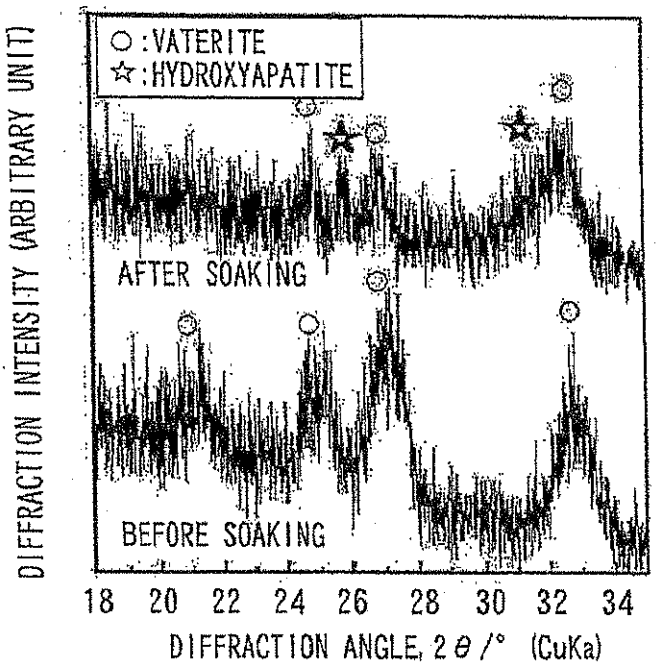

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AFTER SOAKING
BEFORE SOAKING
DIFFRACTION INTENSITY (ARBITRARY UNIT)
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FIG. 10

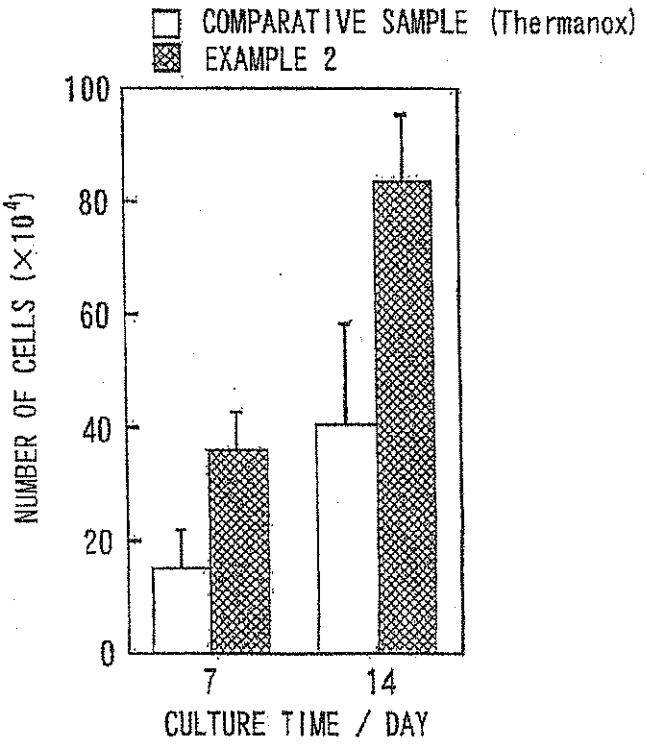

COMPARATIVE SAMPLE (Thermanox)
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NUMBER OF CELLS (×10⁴)
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40
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CULTURE TIME / DAY

FIG. 11

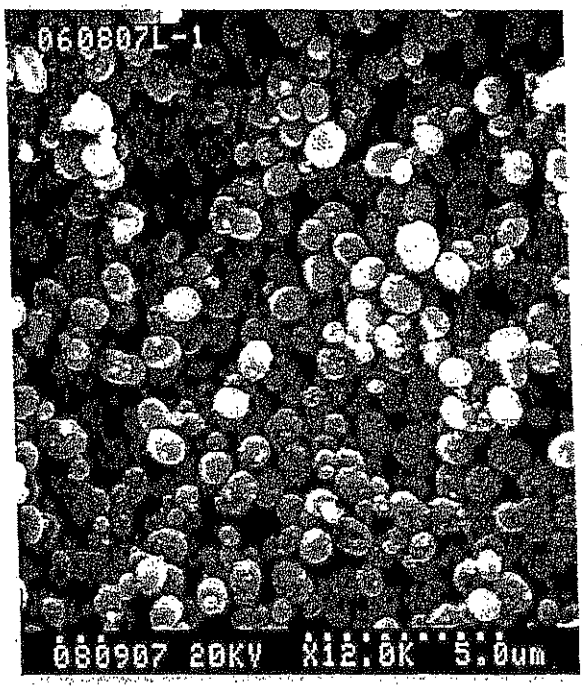


FIG. 12

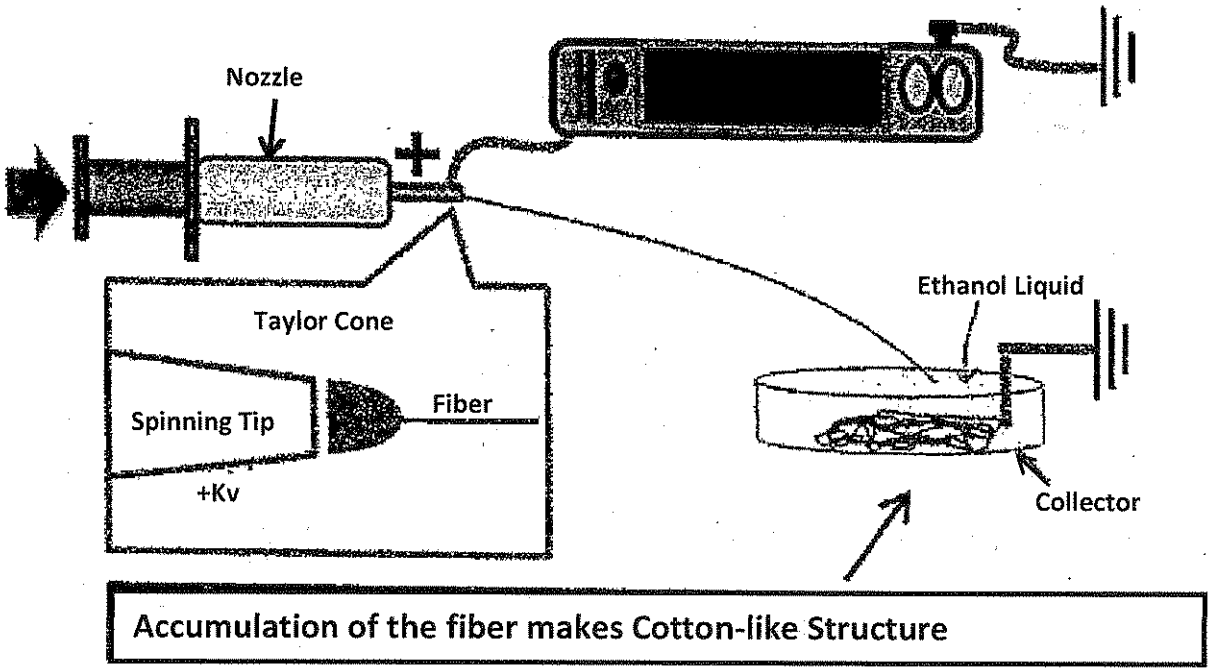

Nozzle
+
Taylor Cone
Spinning Tip
Fiber
+Kv
Ethanol Liquid
Collector
Accumulation of the fiber makes Cotton-like Structure

FIG. 13

