

FIG. 1(a)

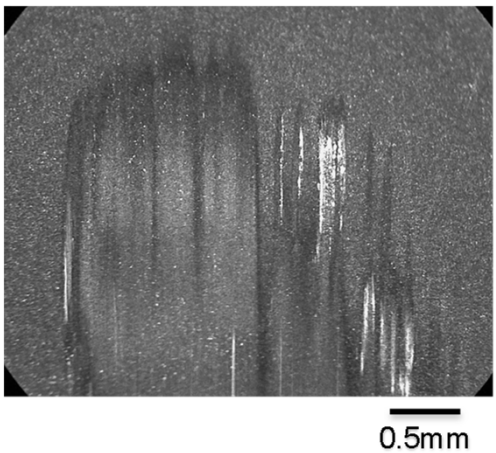


FIG. 1(b)

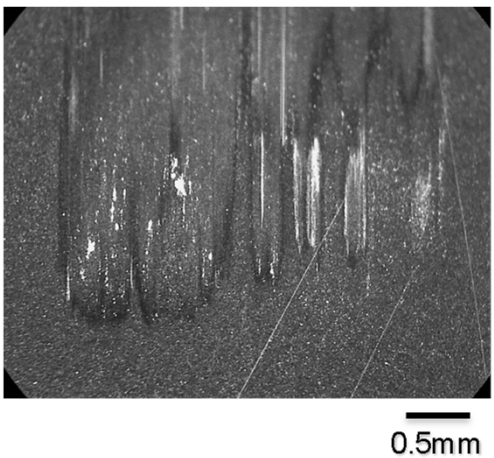


FIG. 1(c)



FIG. 2(a)

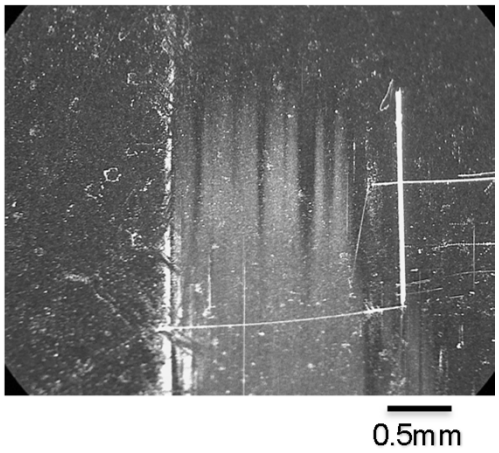


FIG. 2(b)

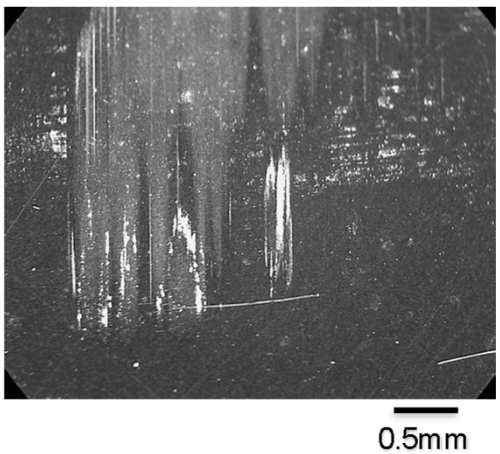


FIG. 2(c)

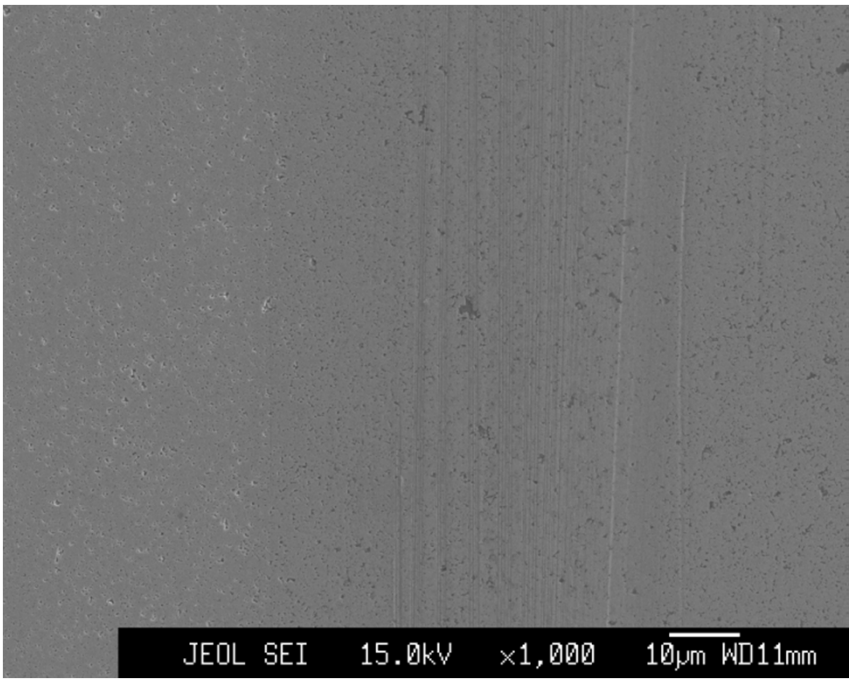

JEOL SEI 15.0kV ×1,000 10μm WD11mm

FIG. 3(a)

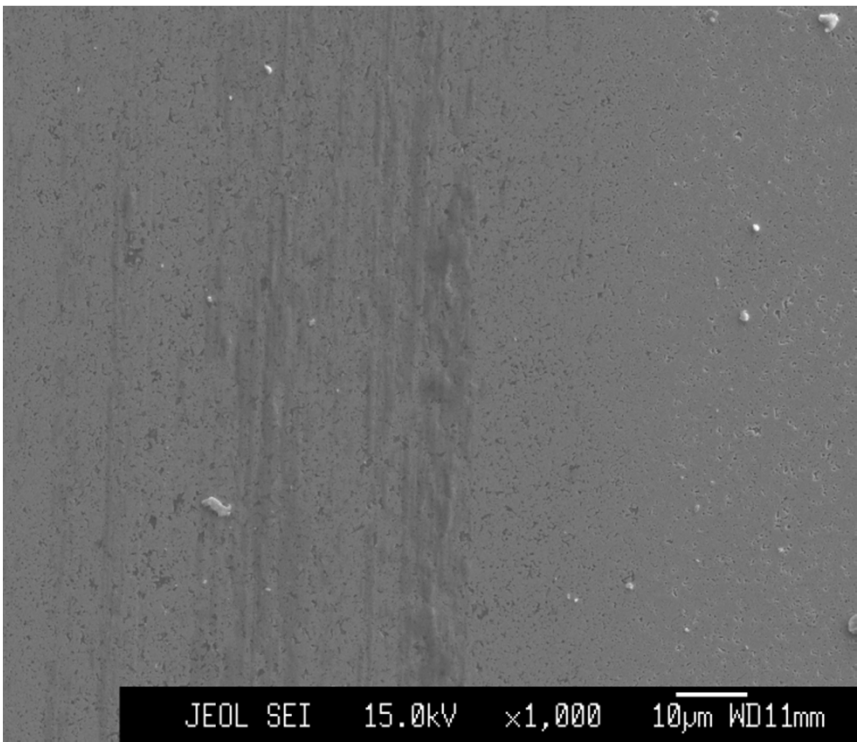

JEOL SEI 15.0kV ×1,000 10μm WD11mm

FIG. 3(b)

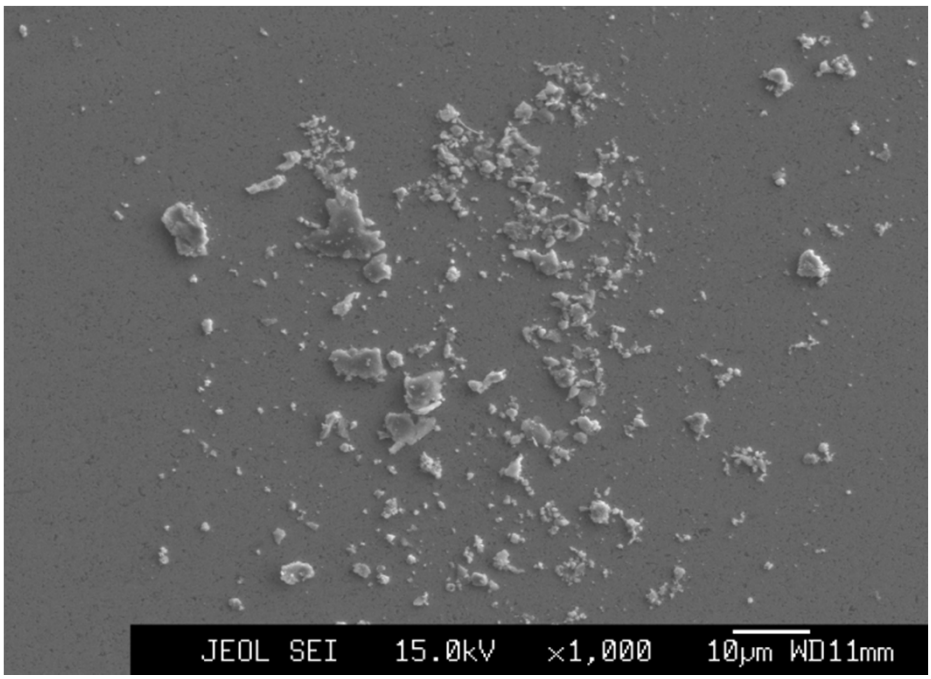

JEOL SEI 15.0kV ×1,000 10μm WD11mm

FIG. 4(a)

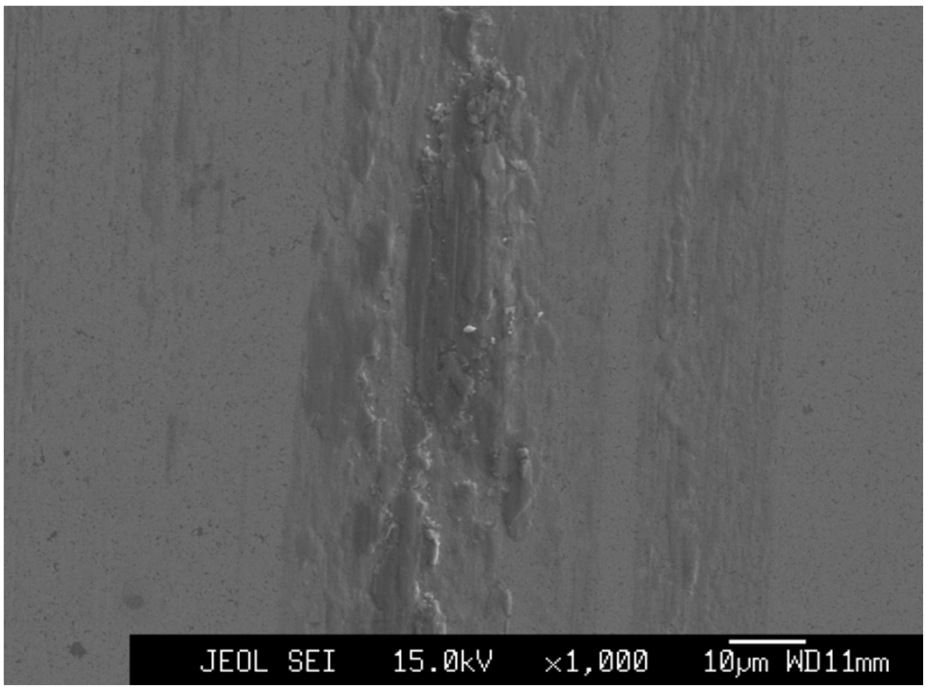

JEOL SEI 15.0kV ×1,000 10μm WD11mm

FIG. 4(b)

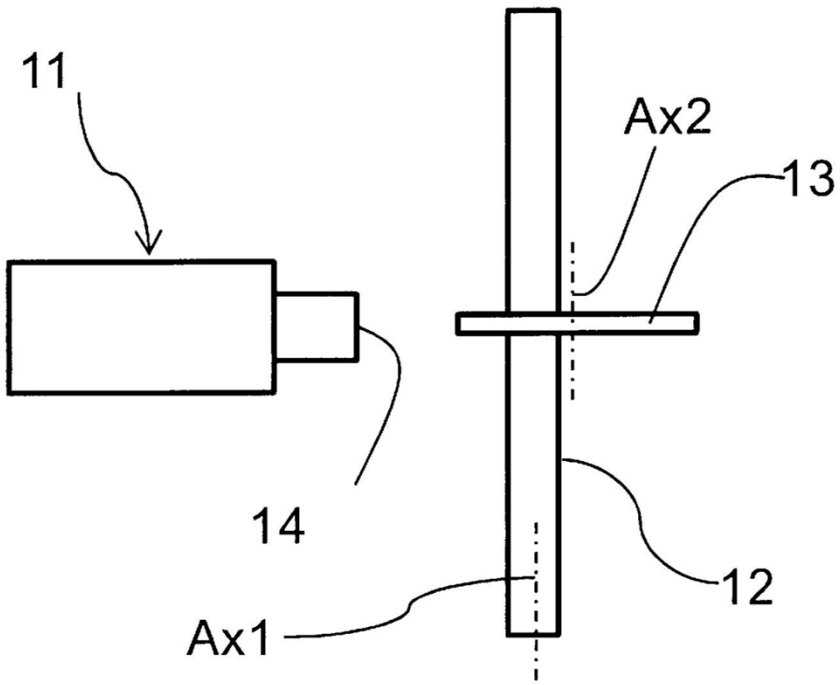


FIG. 5

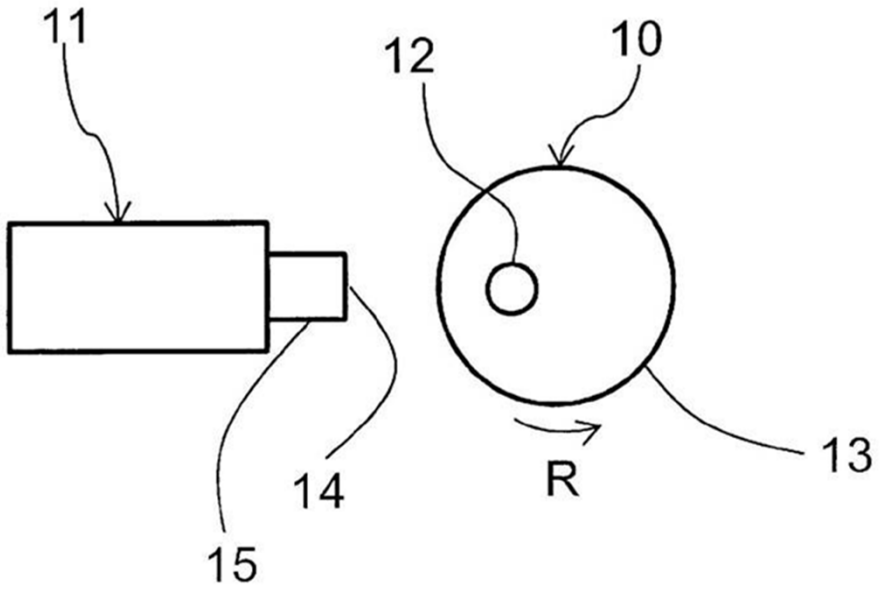


FIG. 6(a)

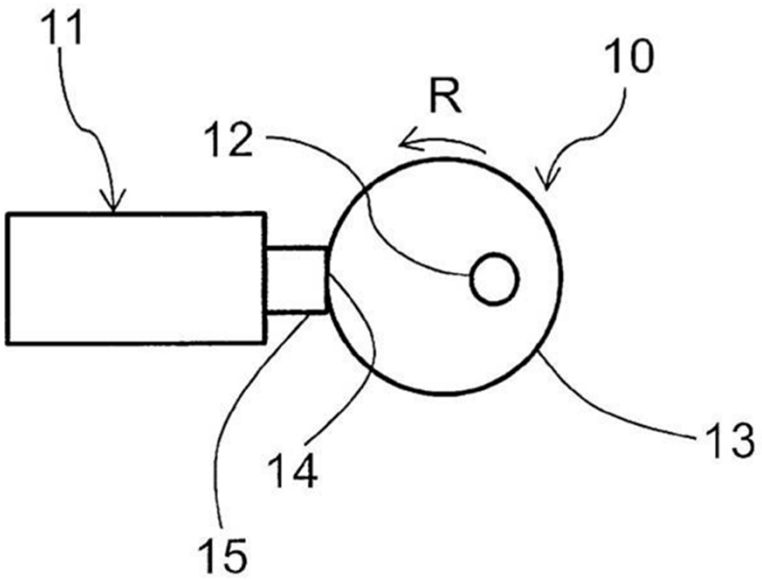


FIG. 6(b)

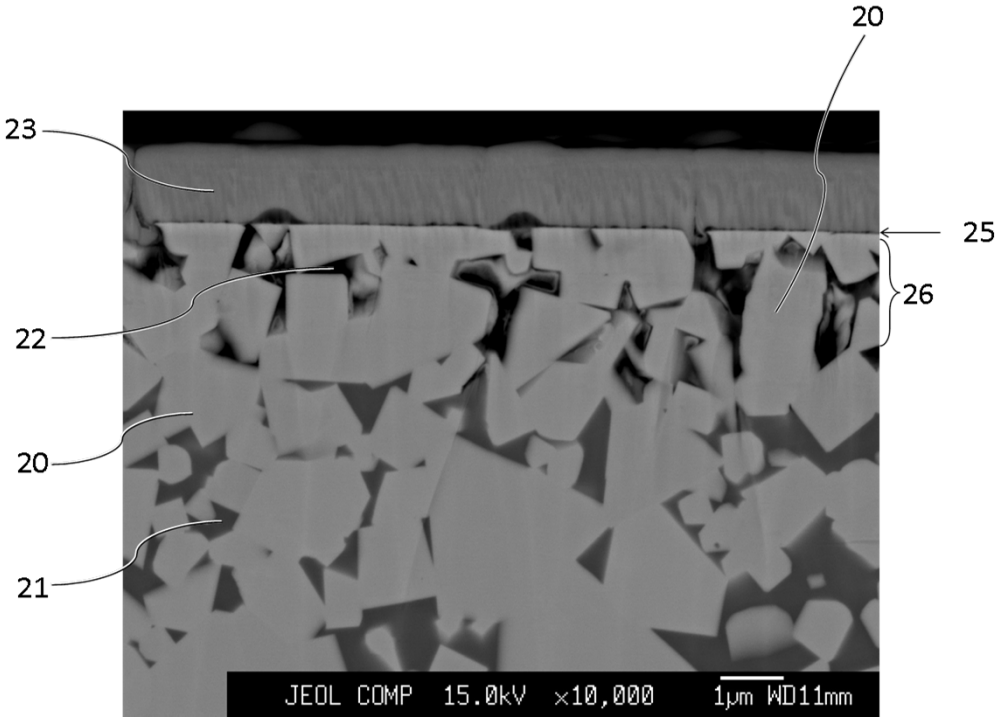

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JEOL COMP 15.0kV ×10,000 1μm WD11mm

FIG. 7

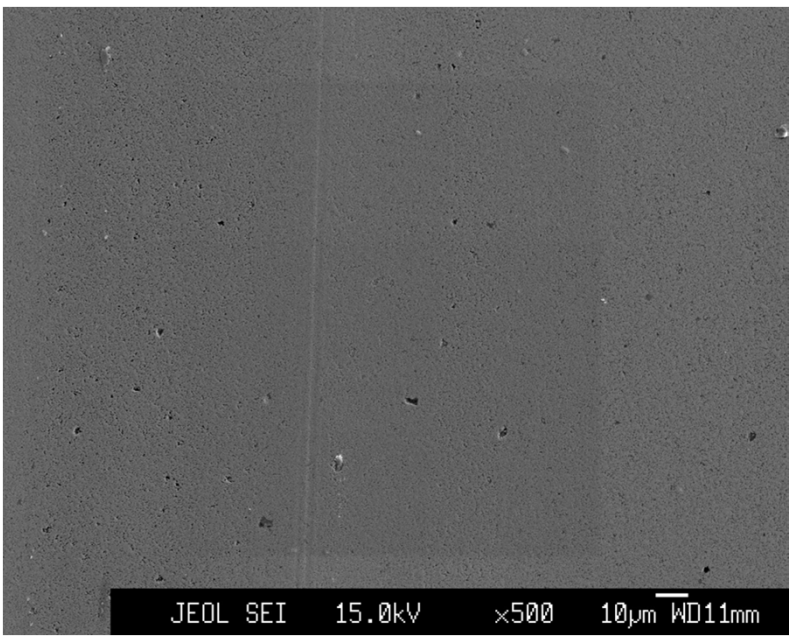

JEOL SEI 15.0kV ×500 10μm WD11mm

FIG. 8

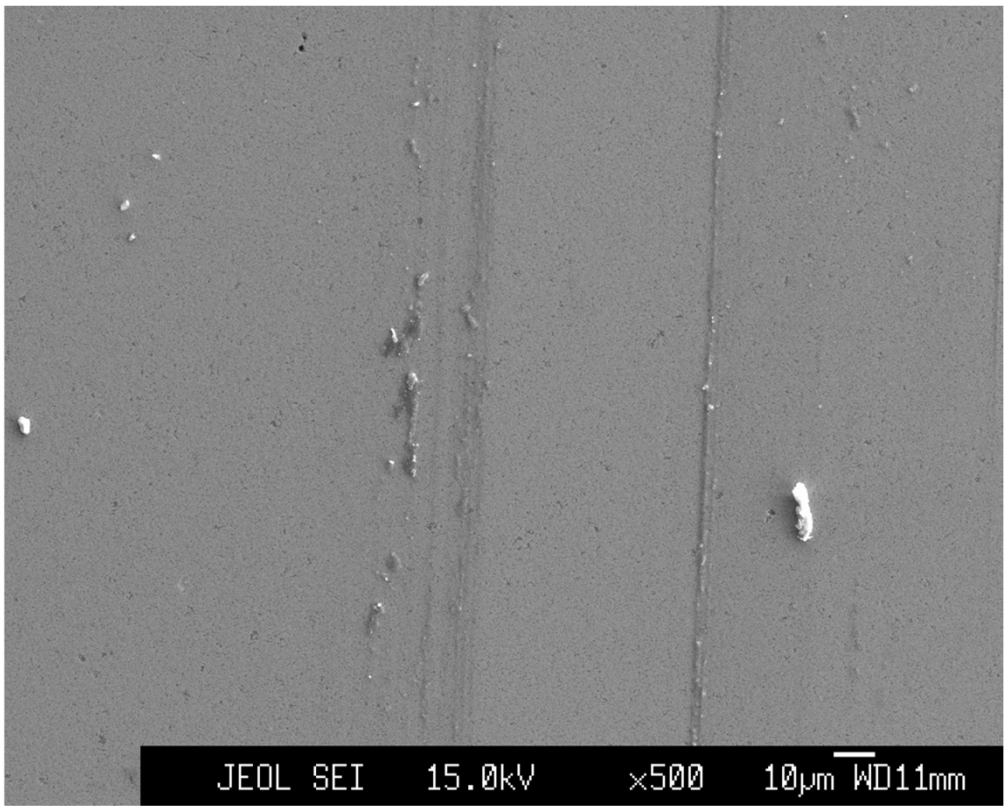

JEOL SEI 15.0kV ×500 10μm WD11mm

FIG. 9

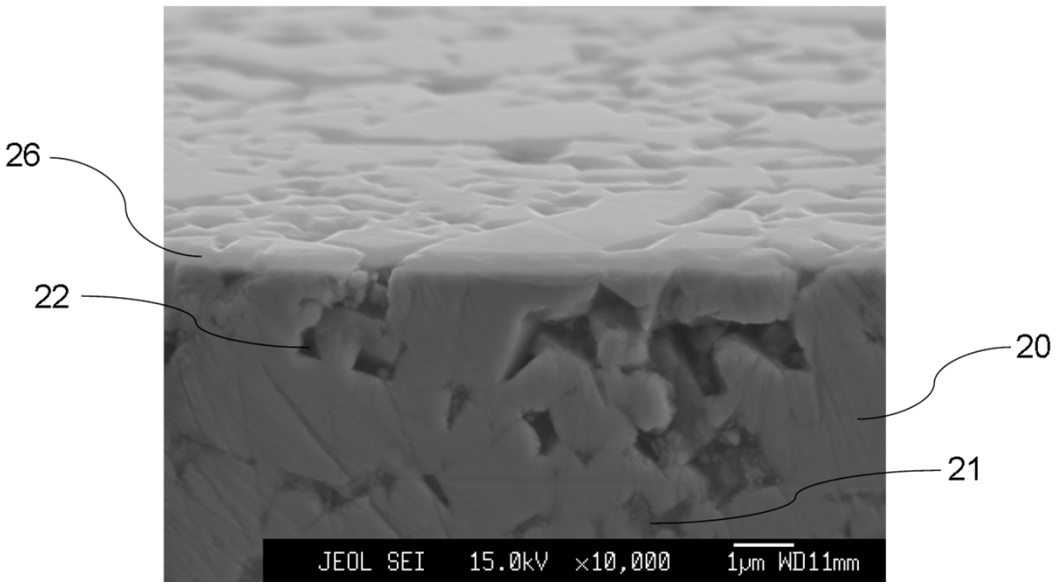

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JEOL SEI 15.0kV ×10,000 1μm WD11mm

FIG. 10

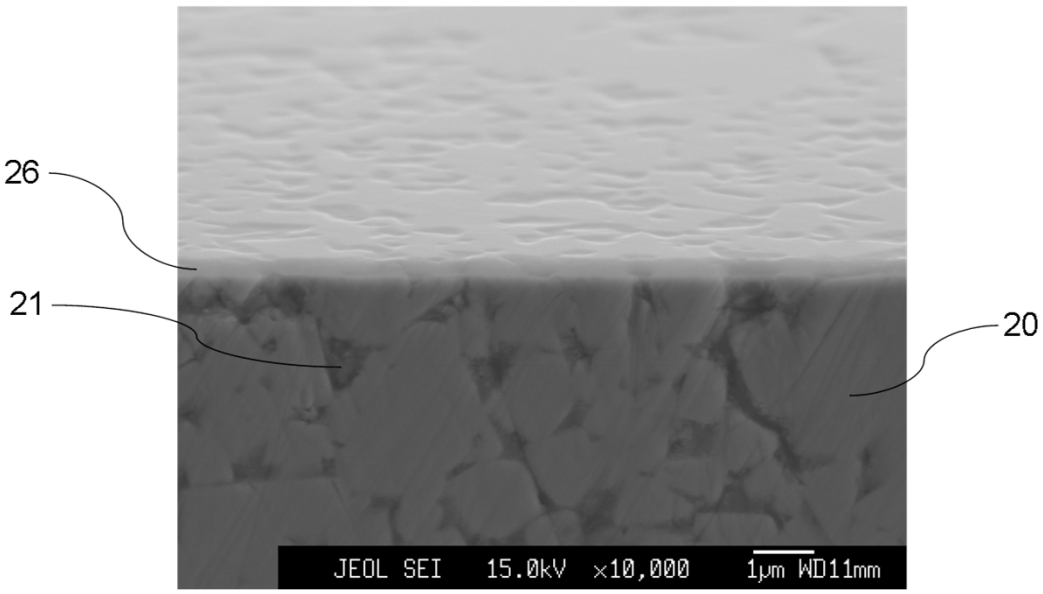

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JEOL SEI 15.0kV ×10,000 1μm WD11mm

FIG. 11

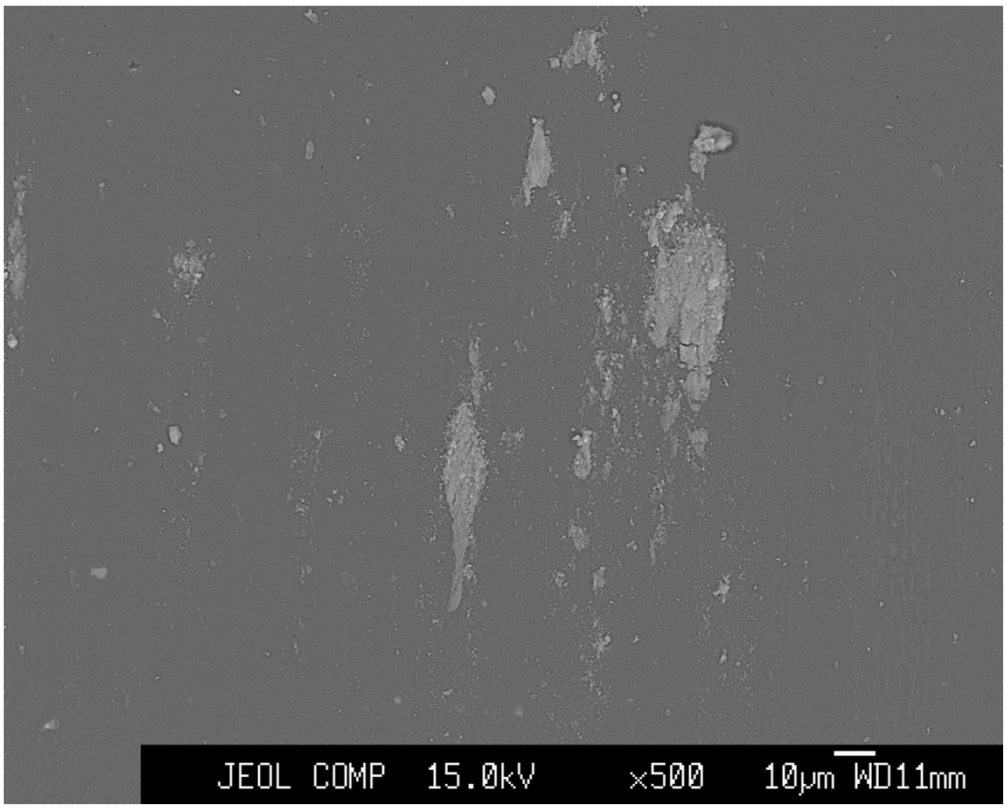

JEOL COMP 15.0kV ×500 10μm WD11mm

FIG. 12