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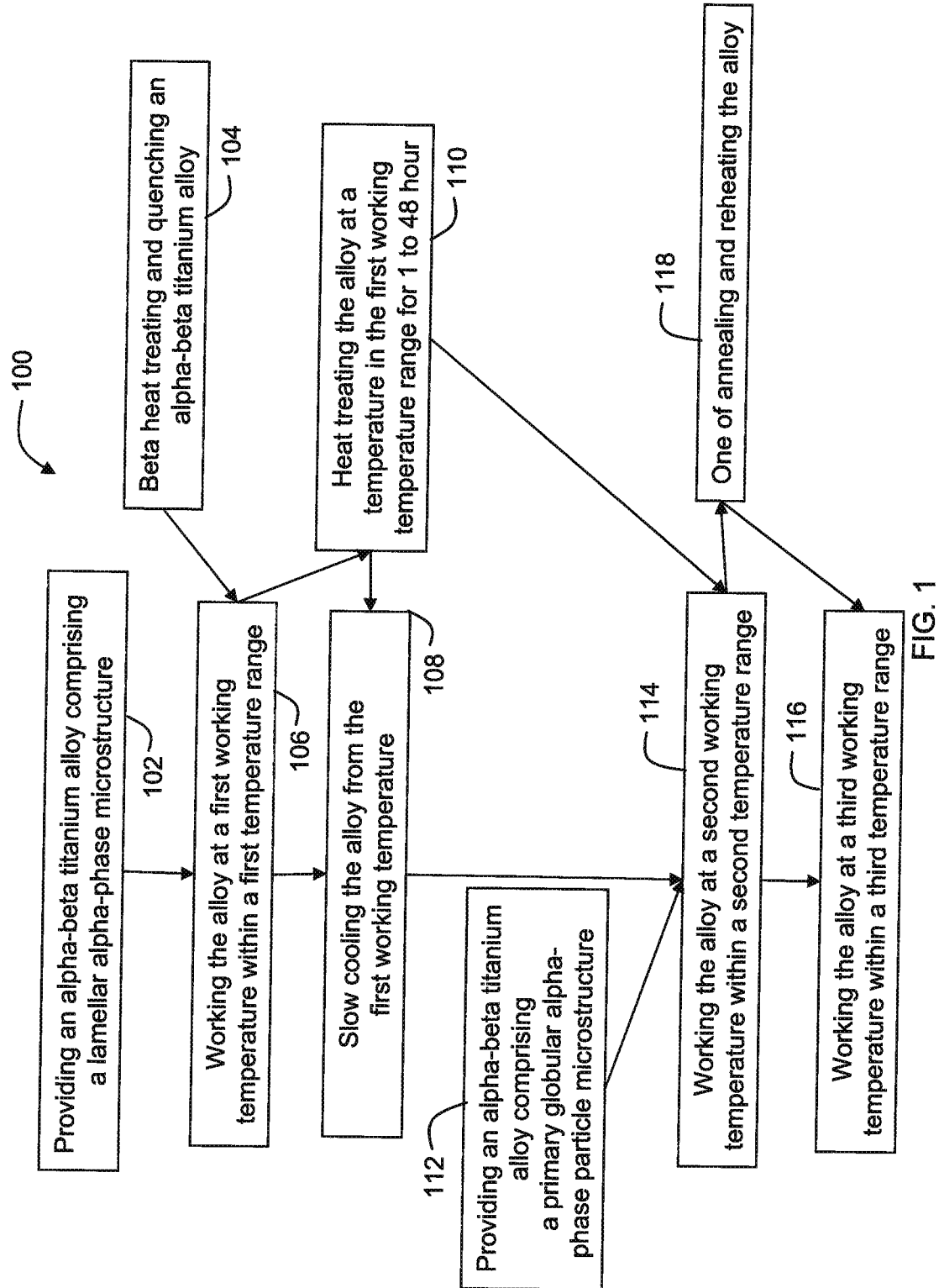
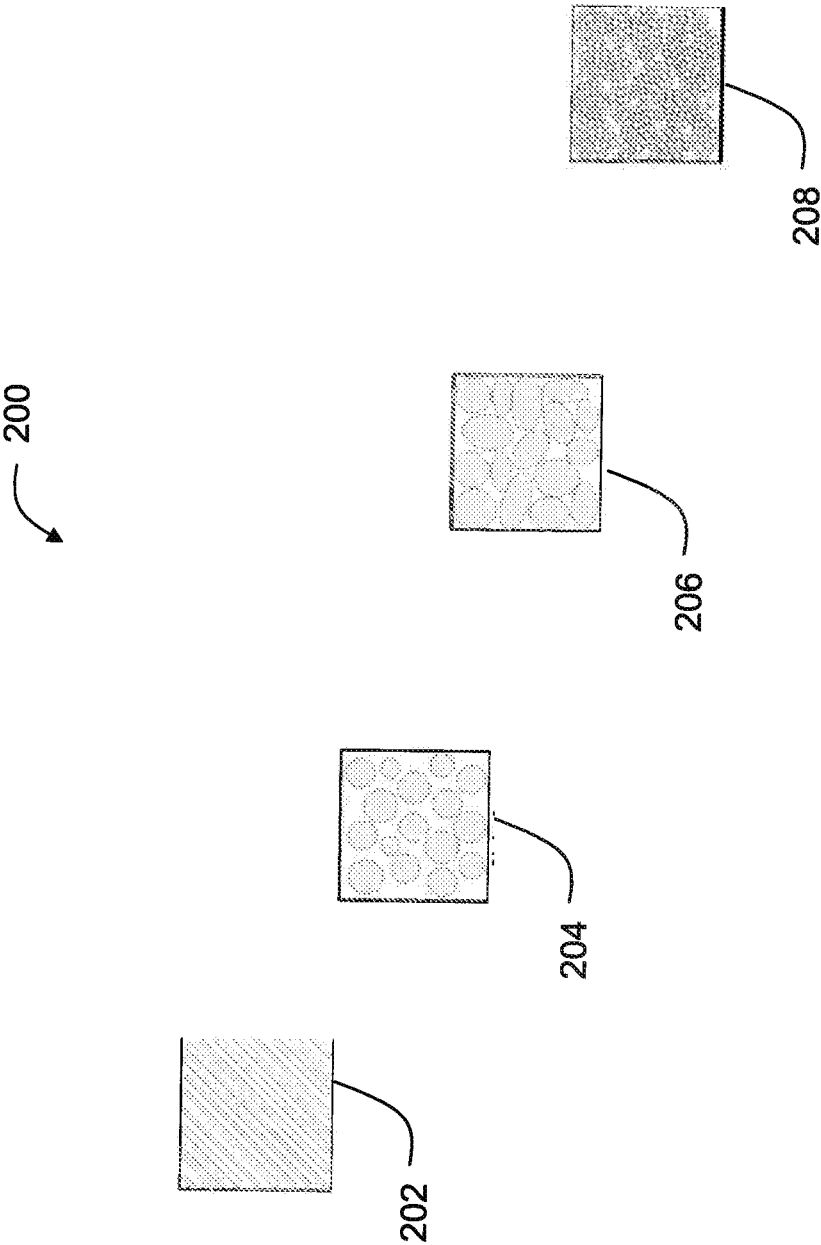


FIG. 1



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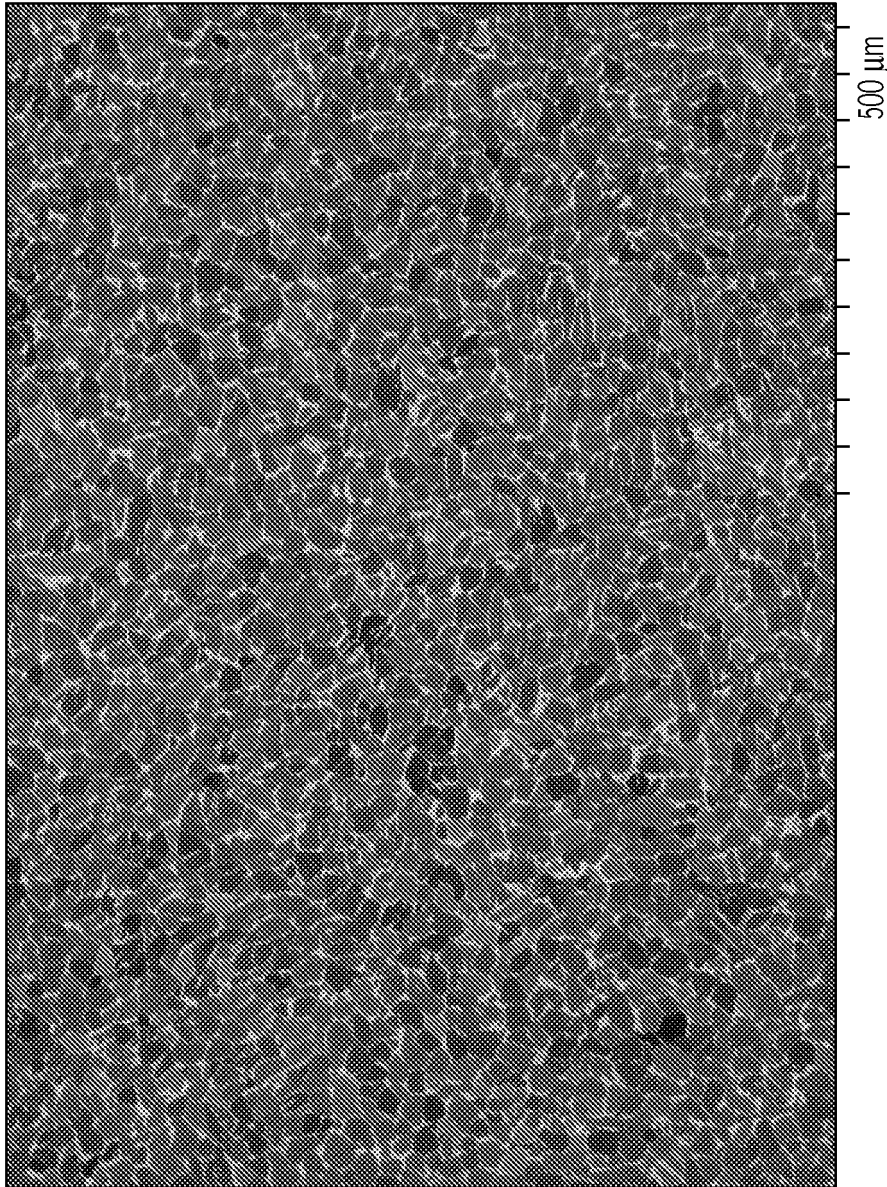


FIG. 3

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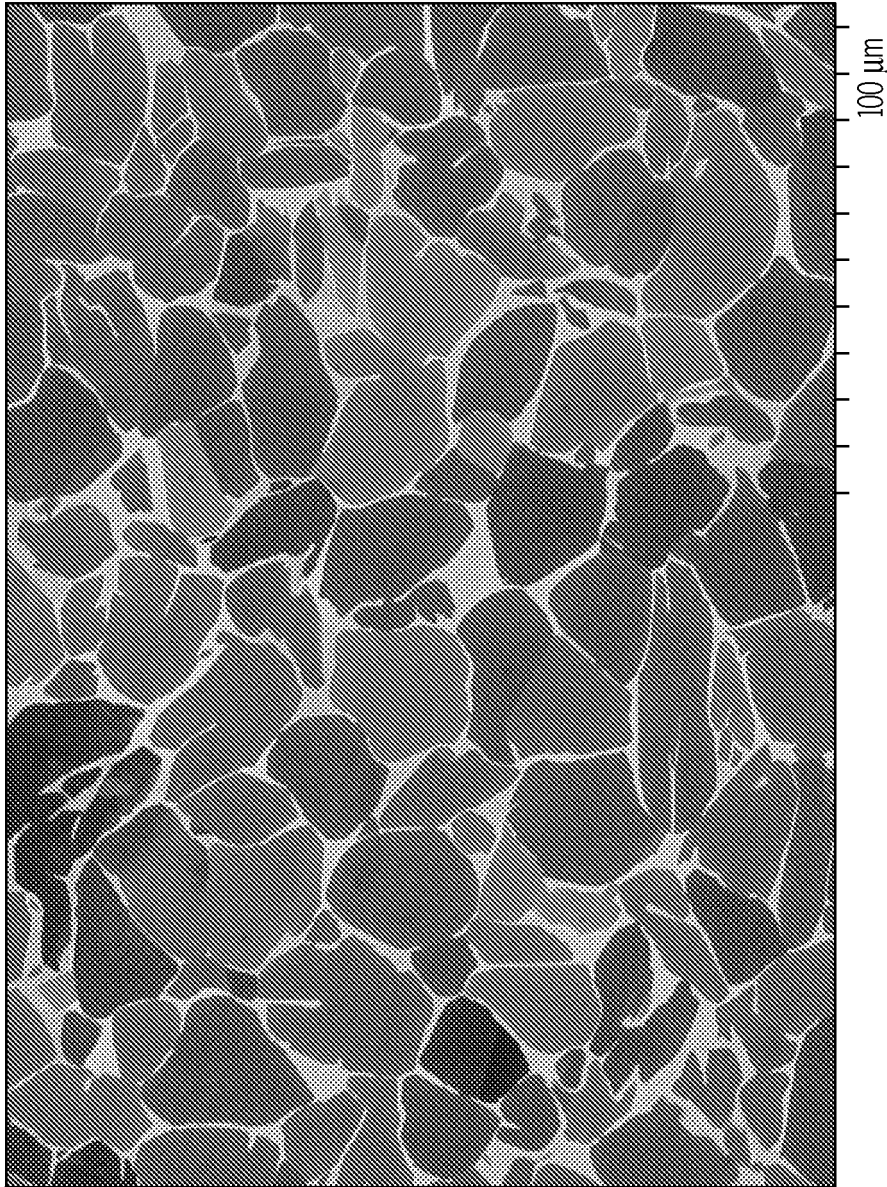


FIG. 4

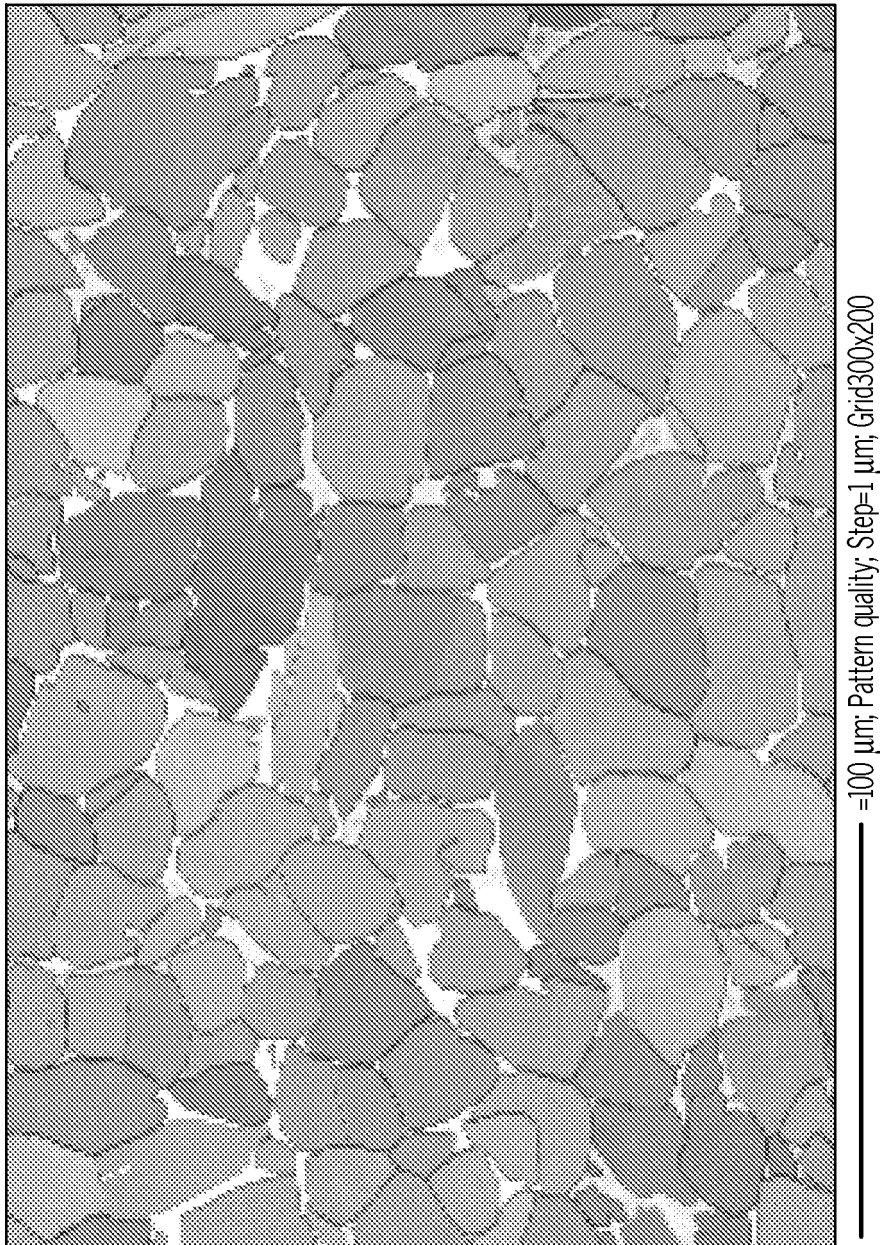


FIG. 5

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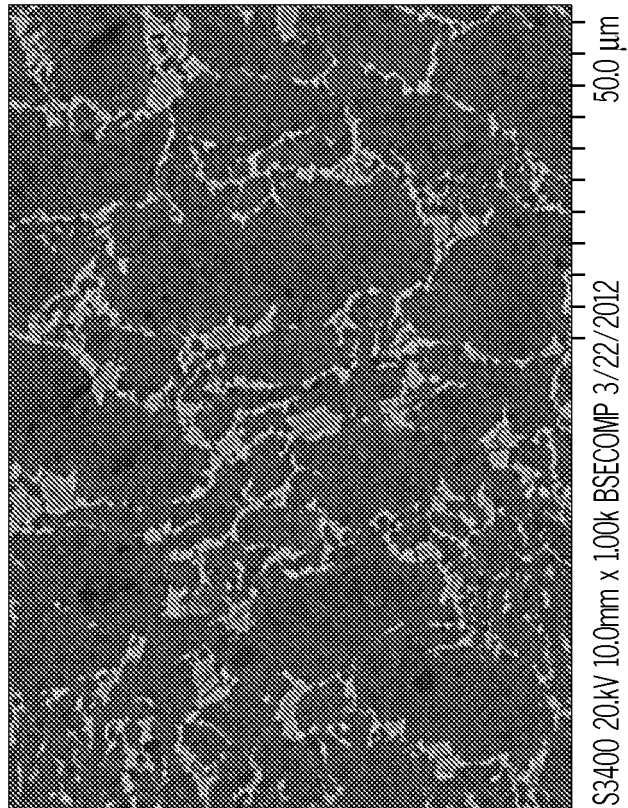


FIG. 6B

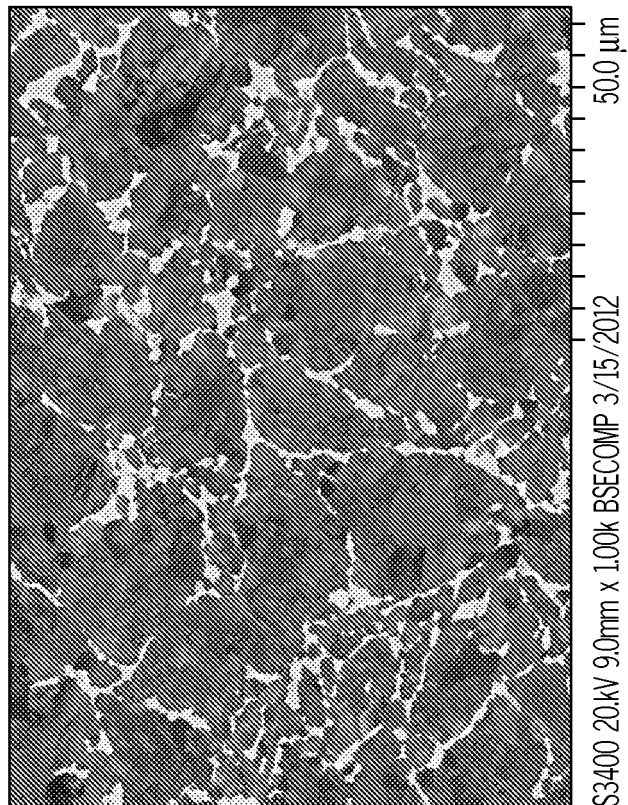


FIG. 6A

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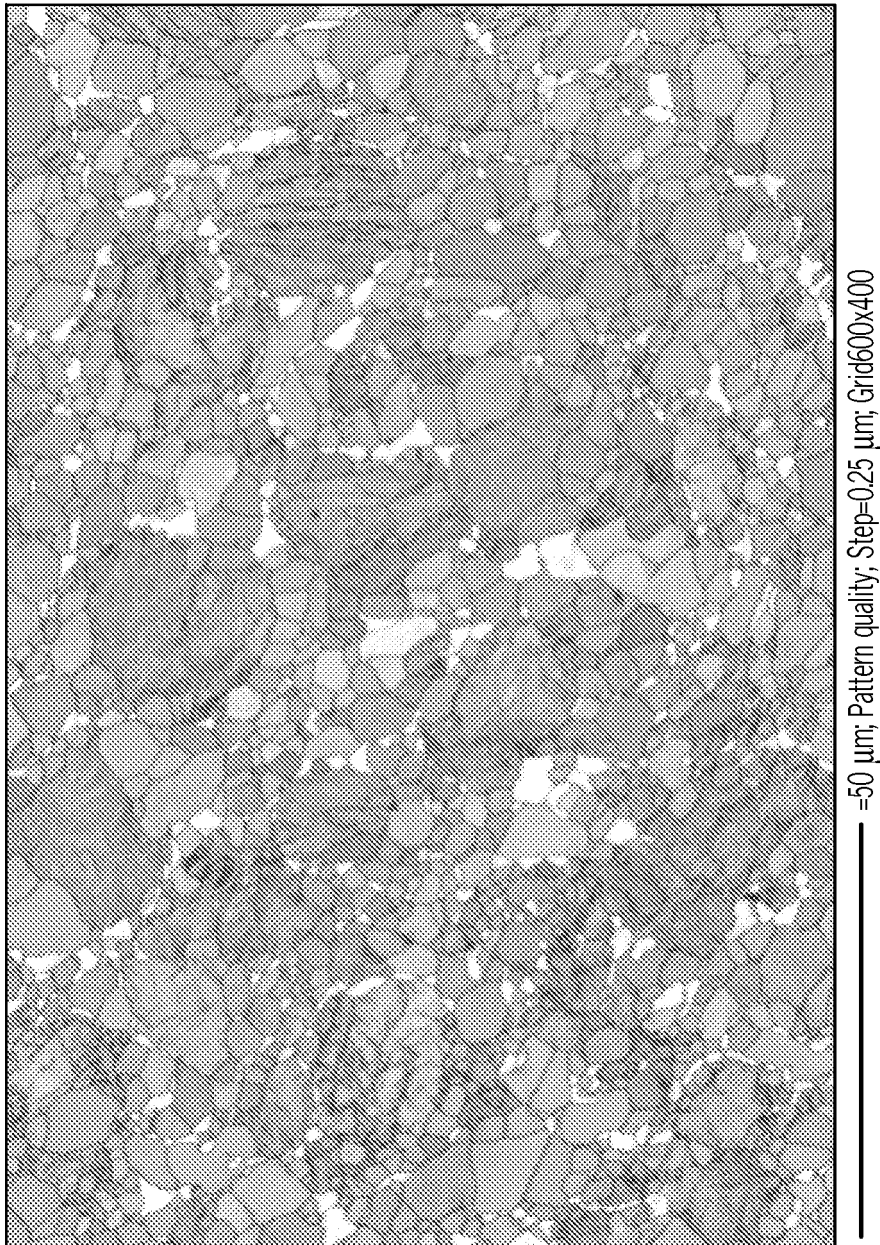
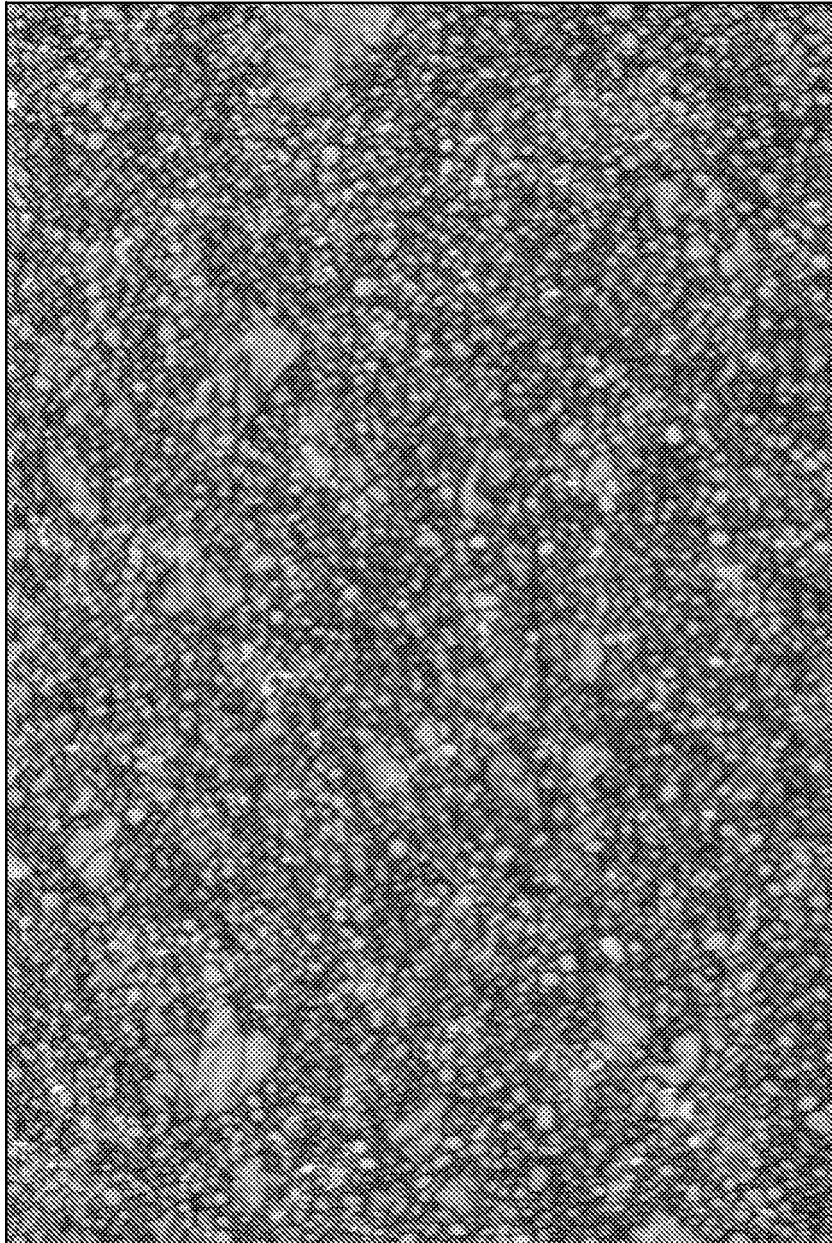
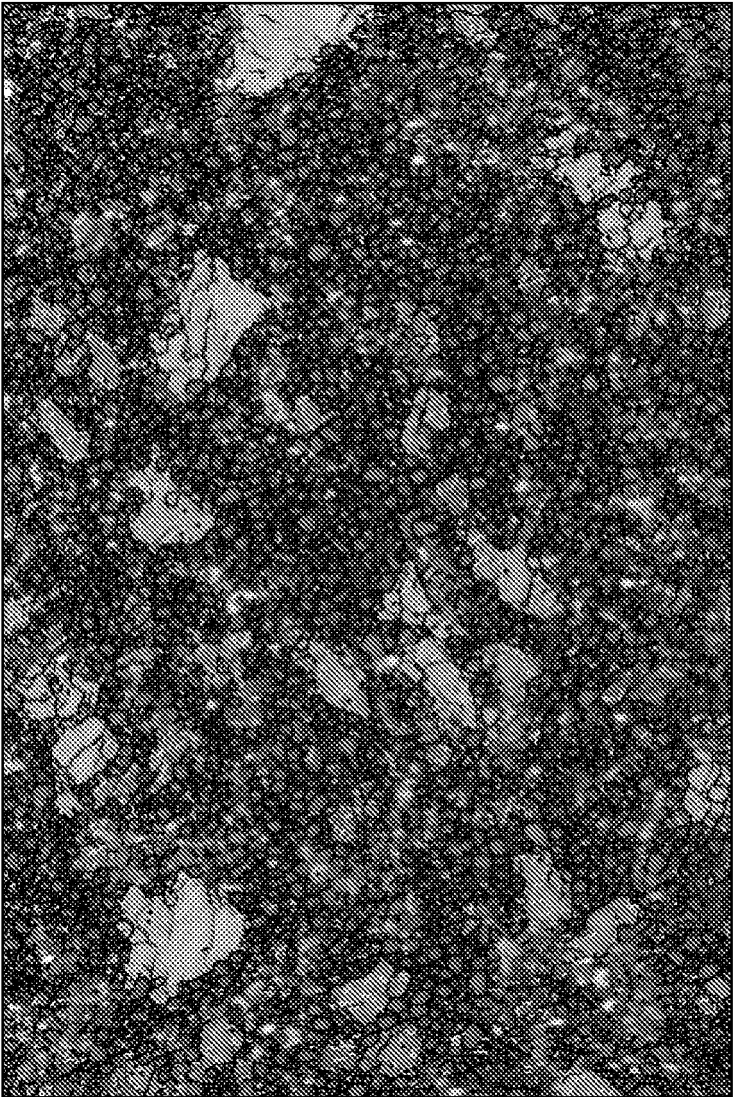


FIG. 7



=50 μm; Pattern quality; Step=0.25 μm; Grid600x400

FIG. 8



— =50 μm ; Grain Diameter-Ti-Hex; Step=0.25 μm ; Grid800x400

FIG. 9A

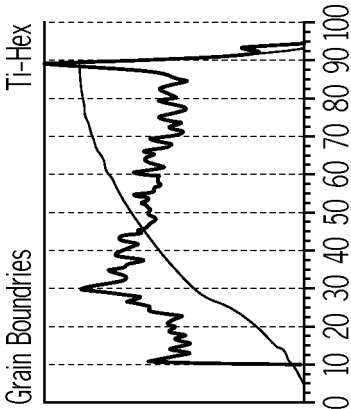


FIG. 9B

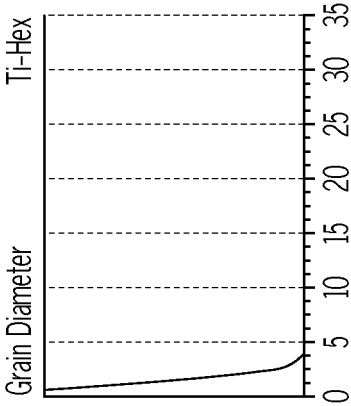


FIG. 9C

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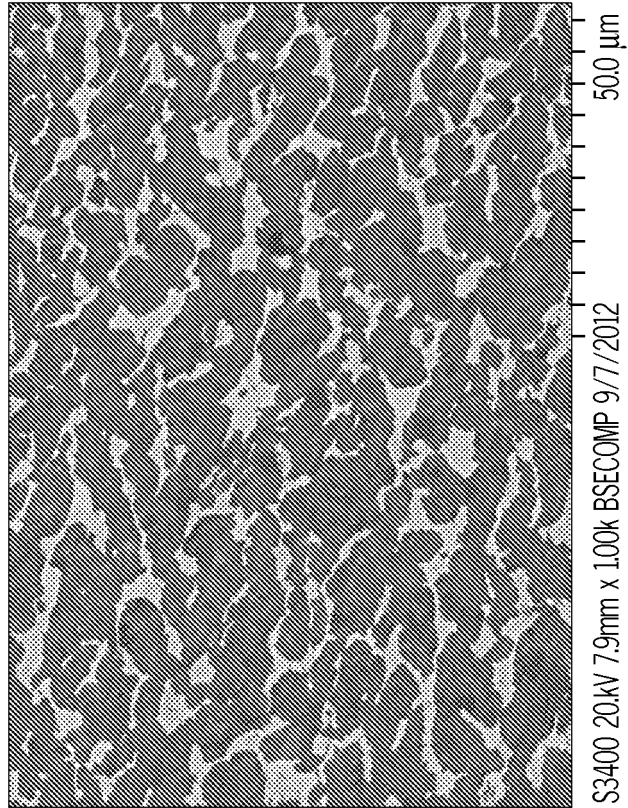


FIG. 10B

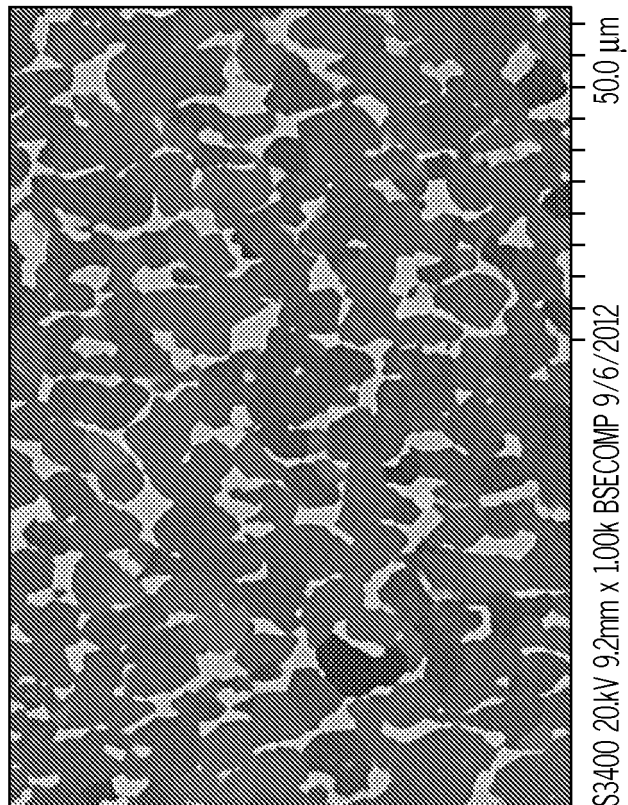


FIG. 10A

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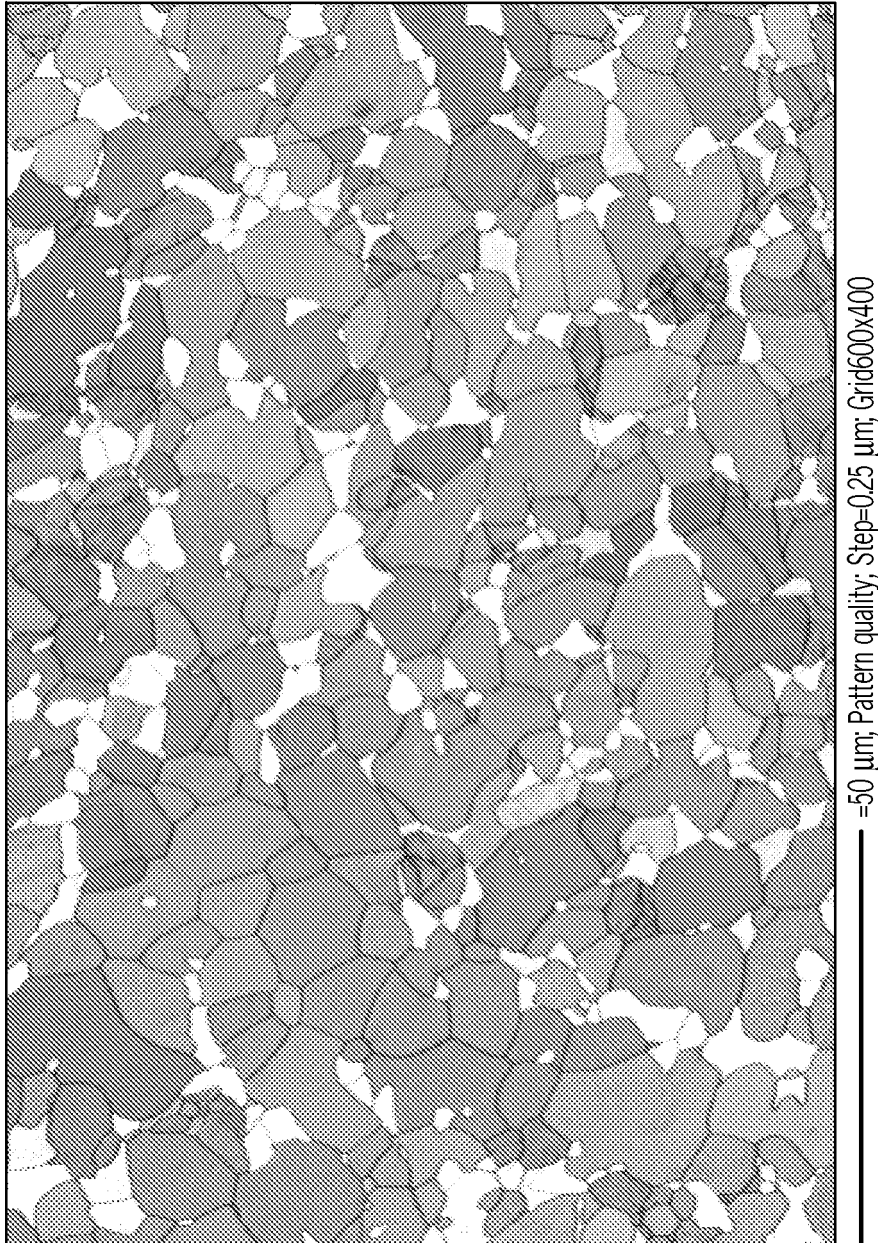


FIG. 11

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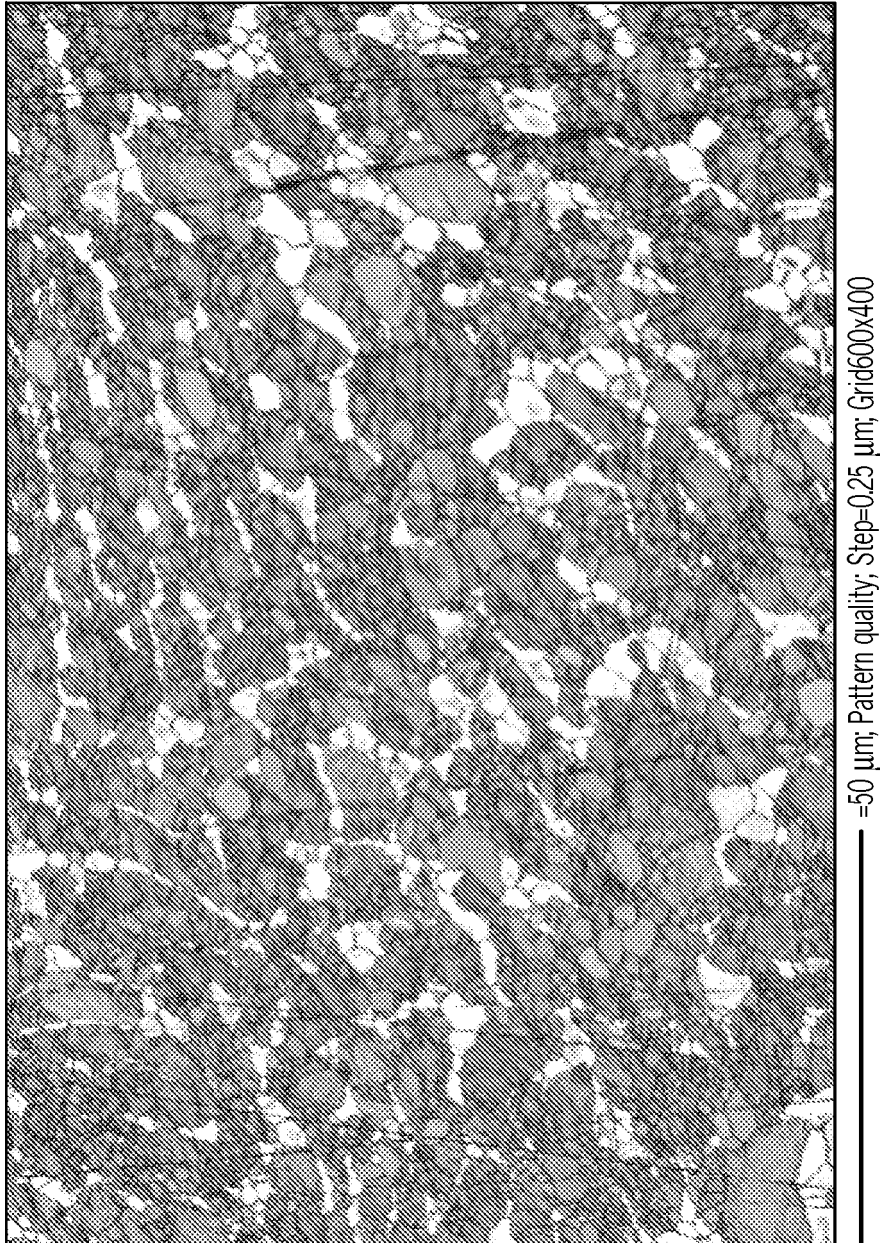


FIG. 12

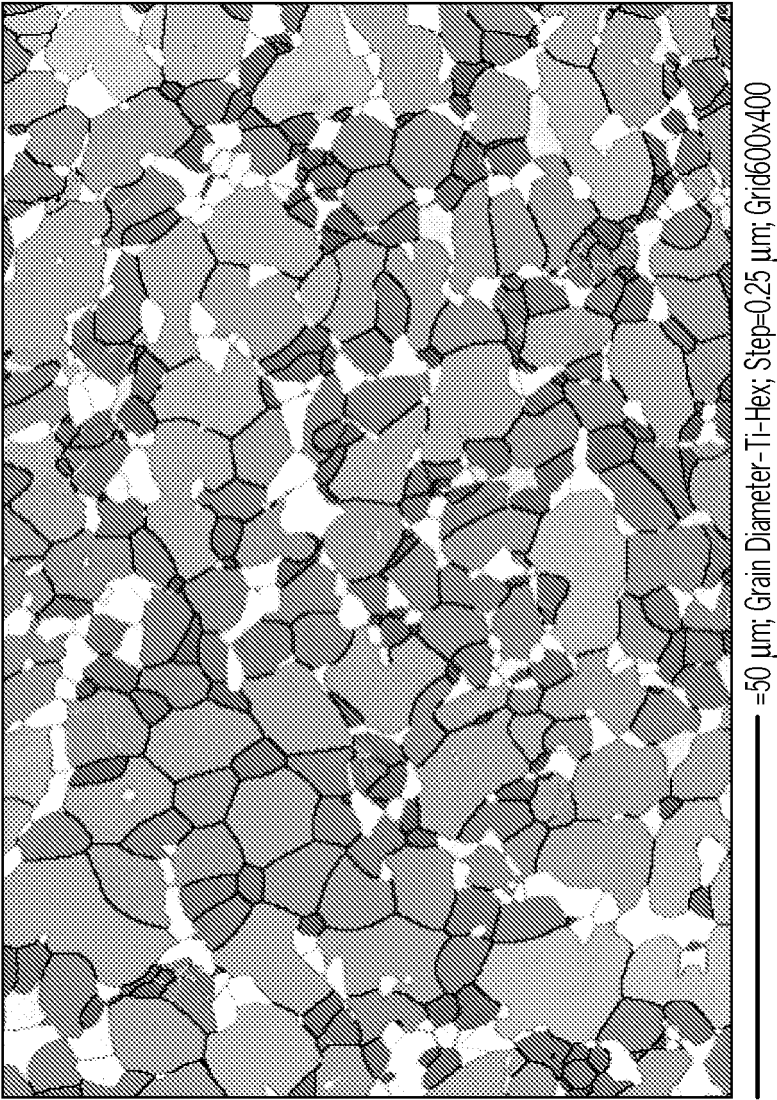


FIG. 13A

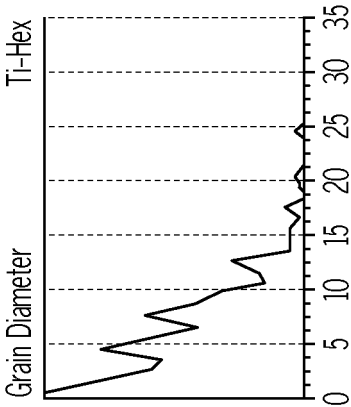


FIG. 13B

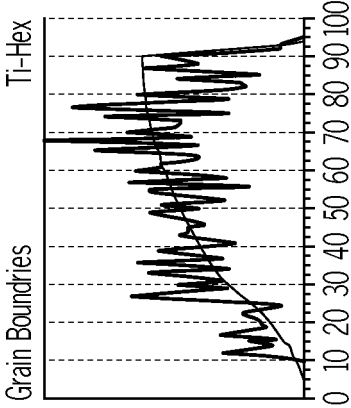
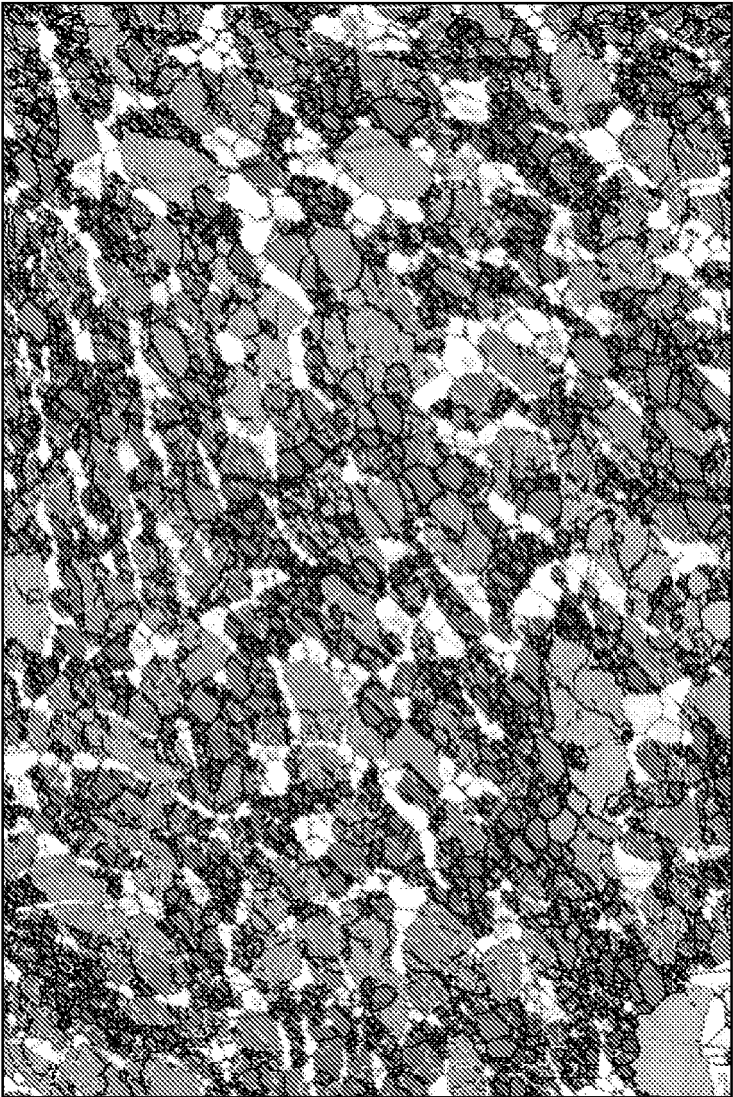


FIG. 13C



— 50 μm; Grain Diameter- Ti-Hex; Step=0.25 μm; Grid600x400

FIG. 14A

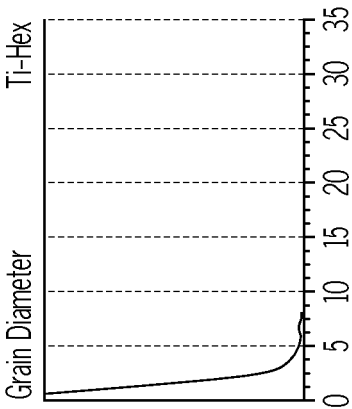


FIG. 14B

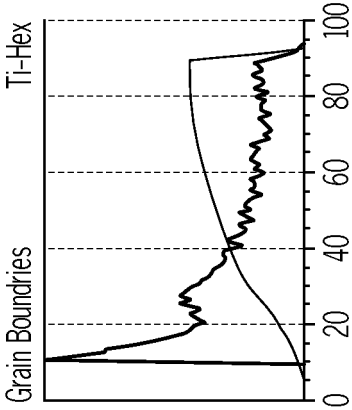


FIG. 14C

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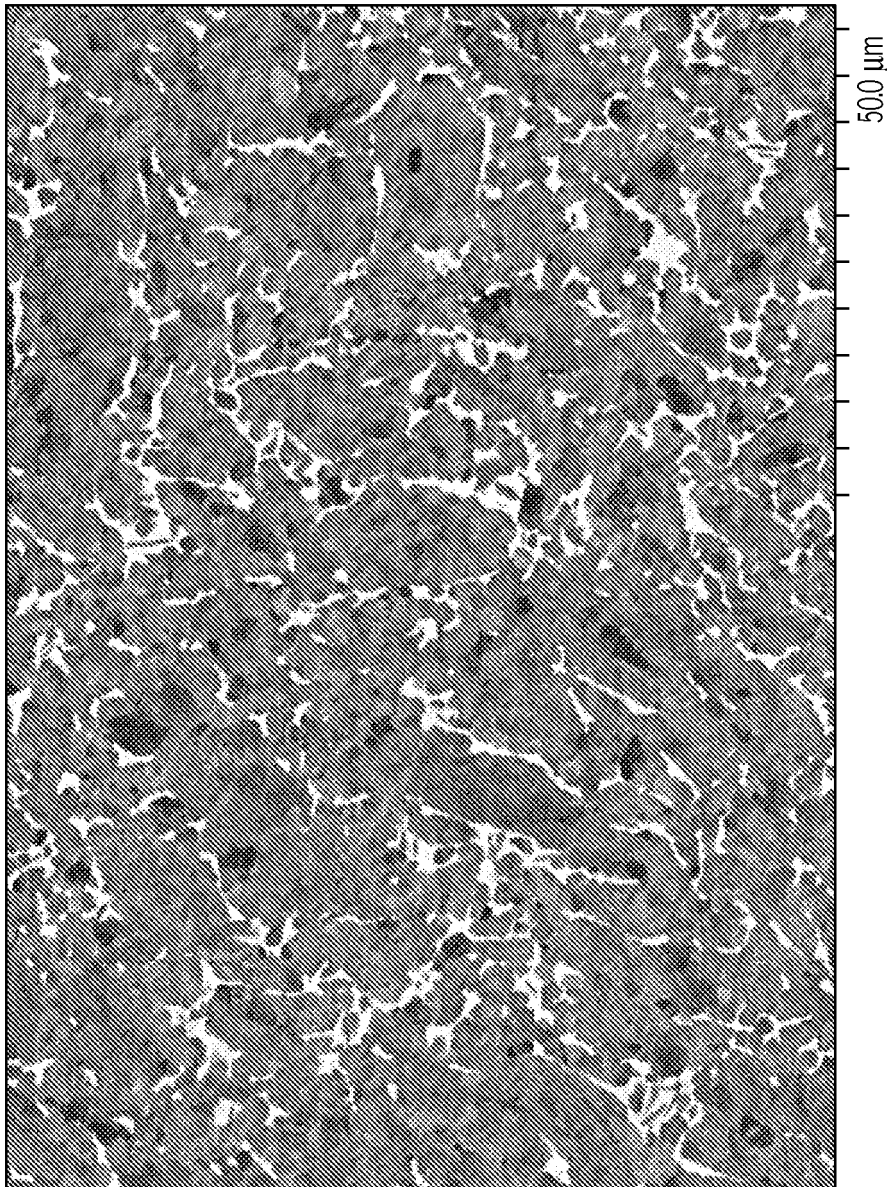


FIG. 15

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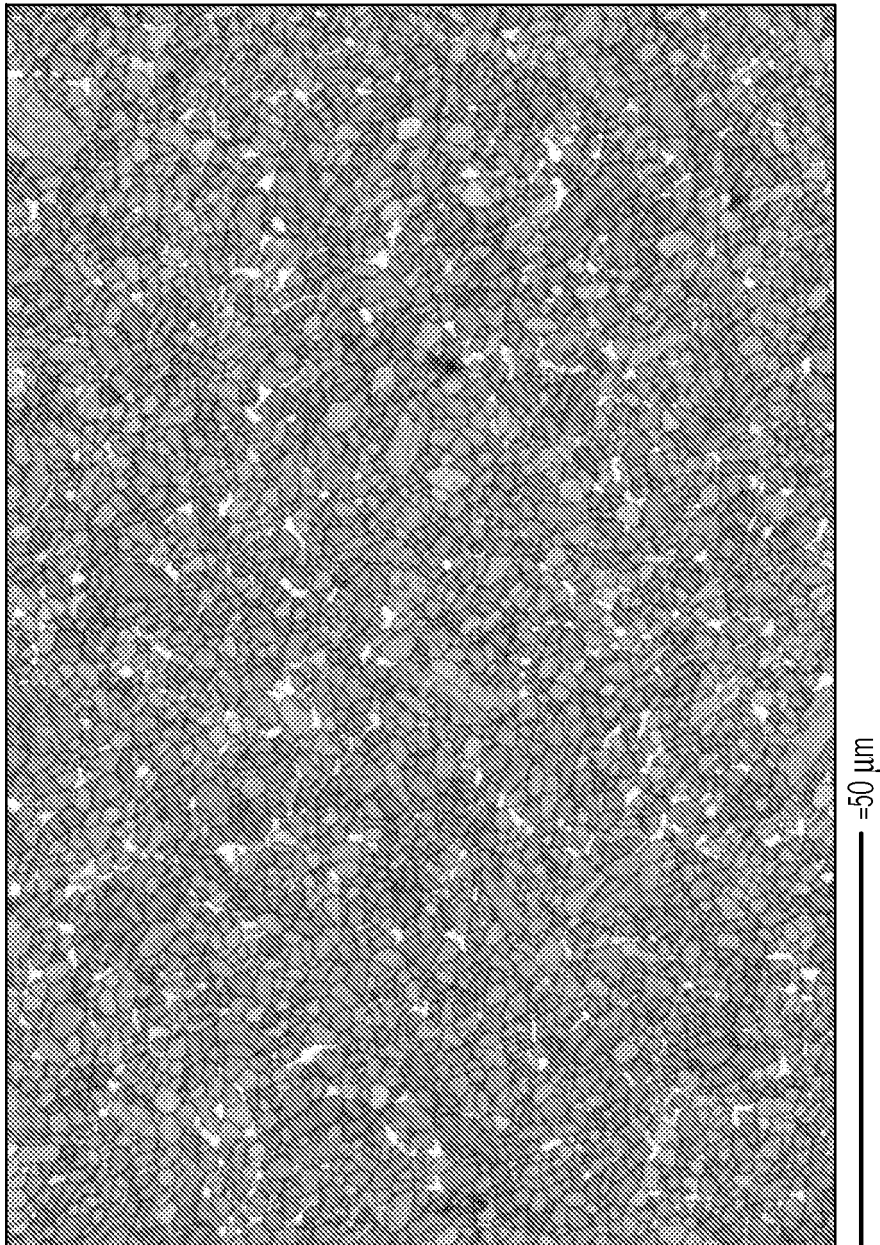
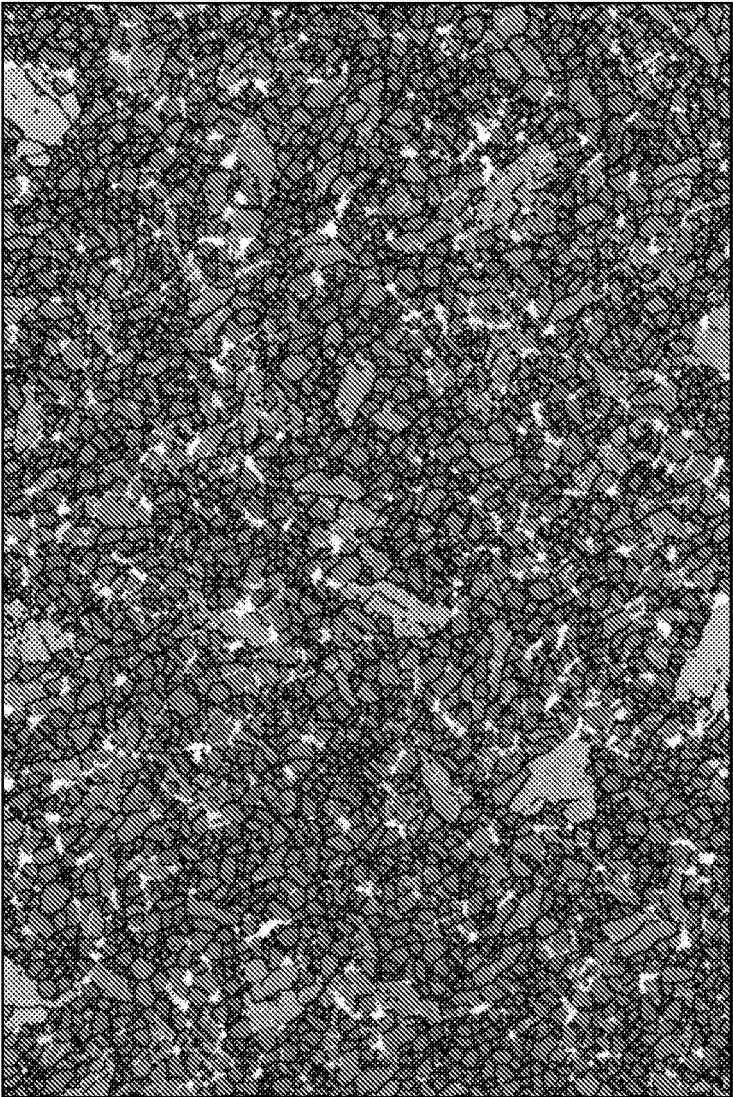


FIG. 16



50 μm

FIG. 17A

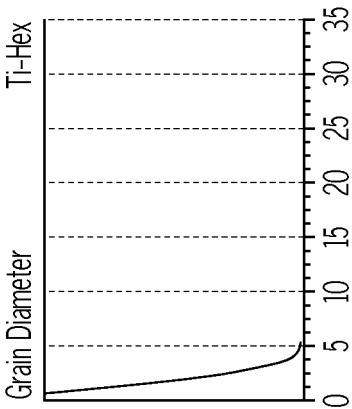


FIG. 17B

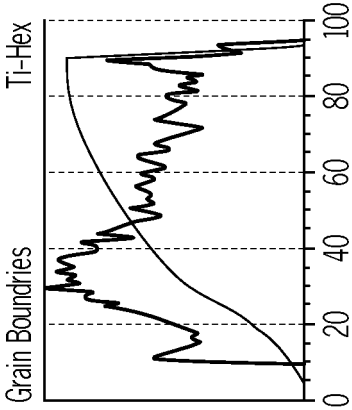


FIG. 17C

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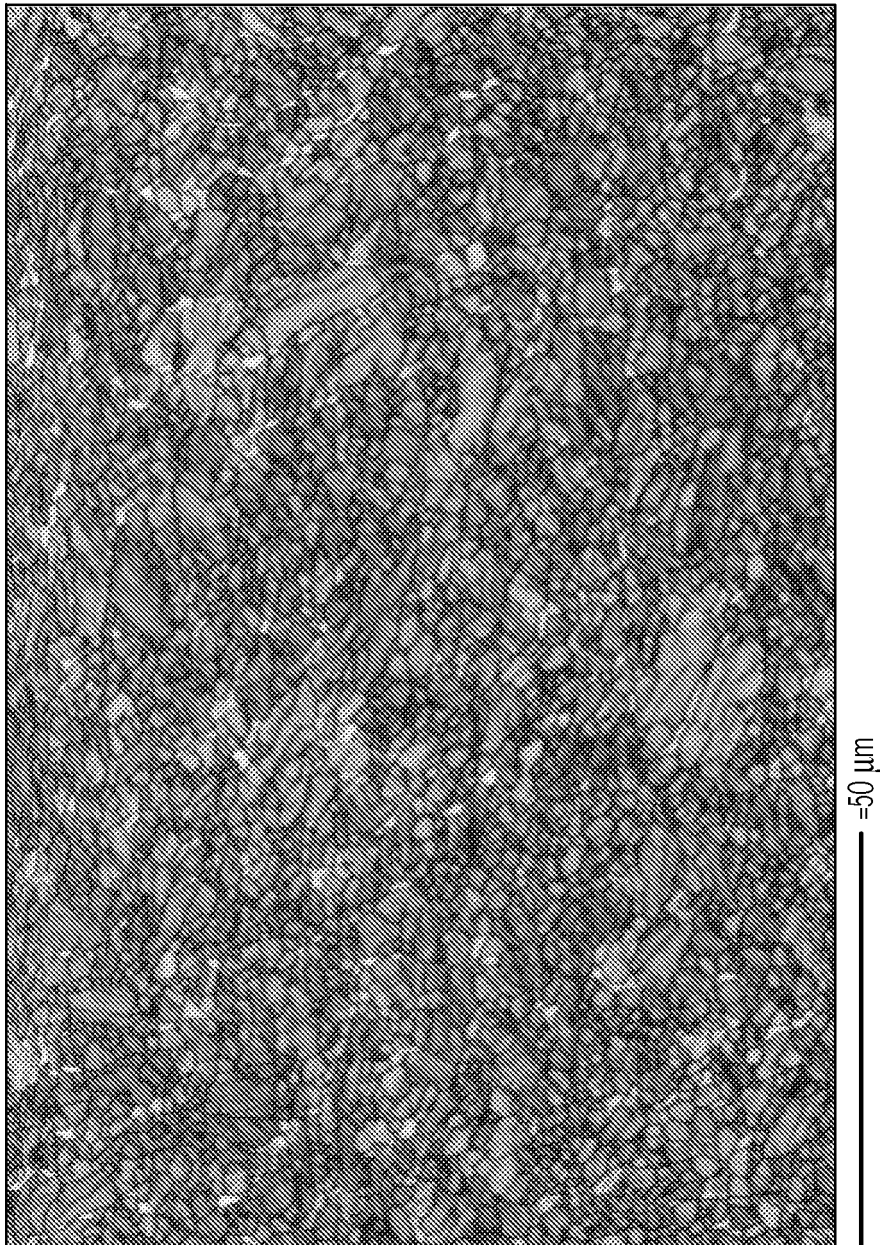
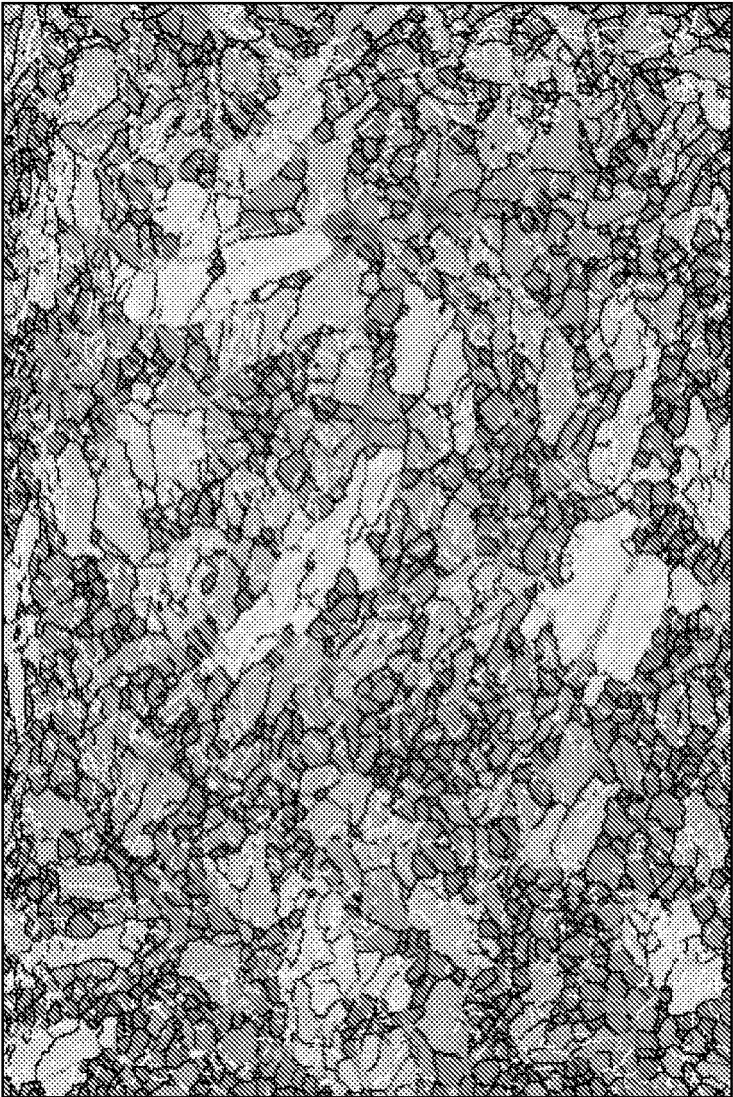


FIG. 18



50 μm

FIG. 19A

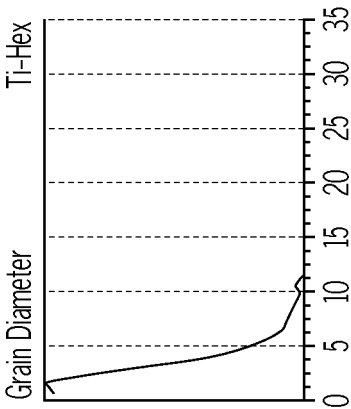


FIG. 19B

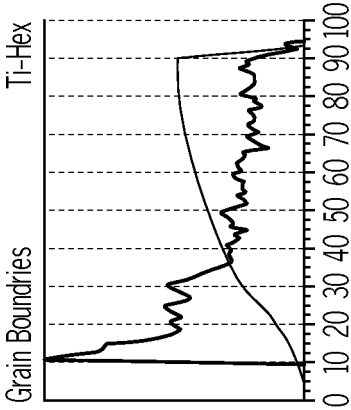


FIG. 19C