

FIG. 1

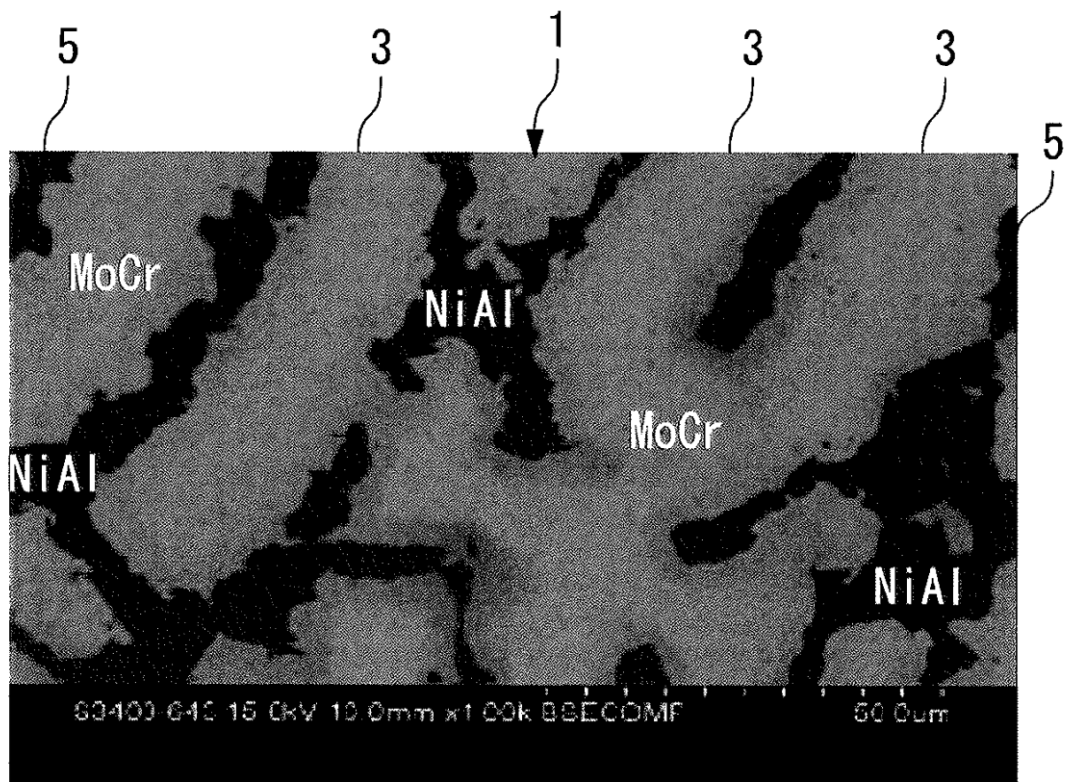


FIG. 2A

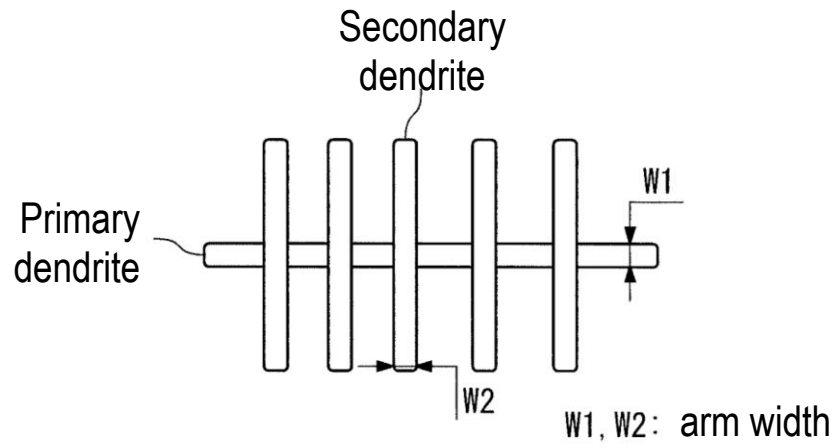


FIG. 2B

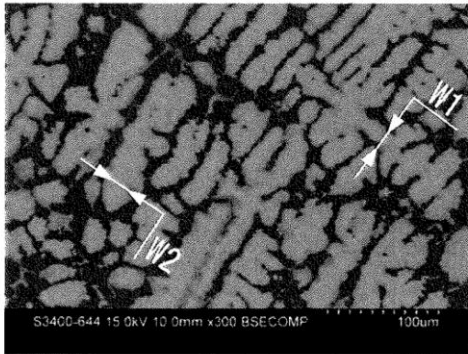


FIG. 2C

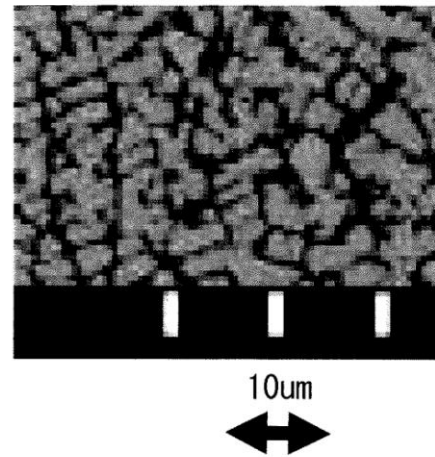


FIG. 3

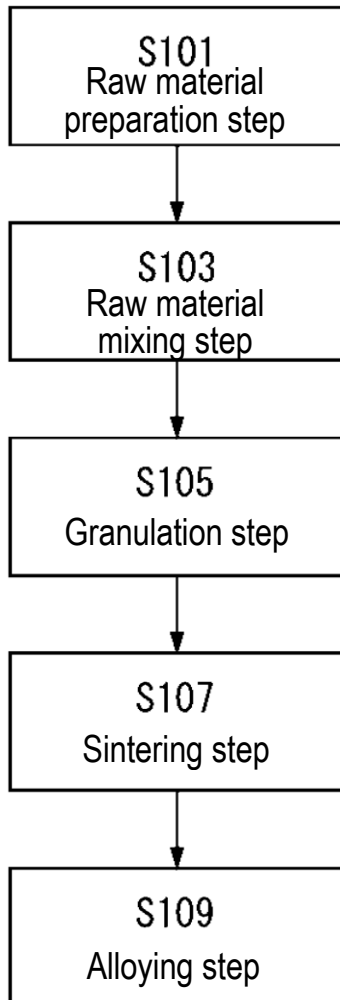


FIG. 4

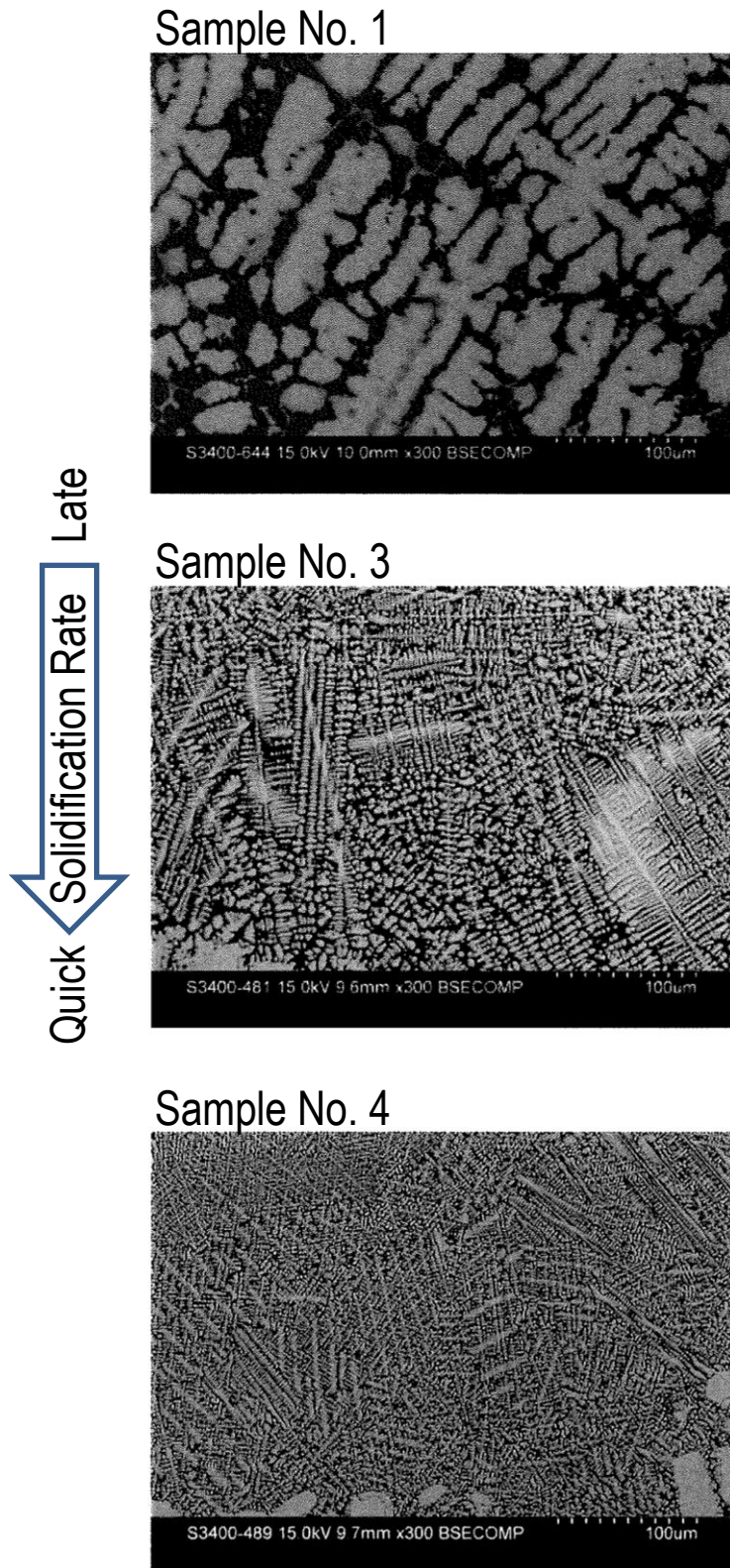
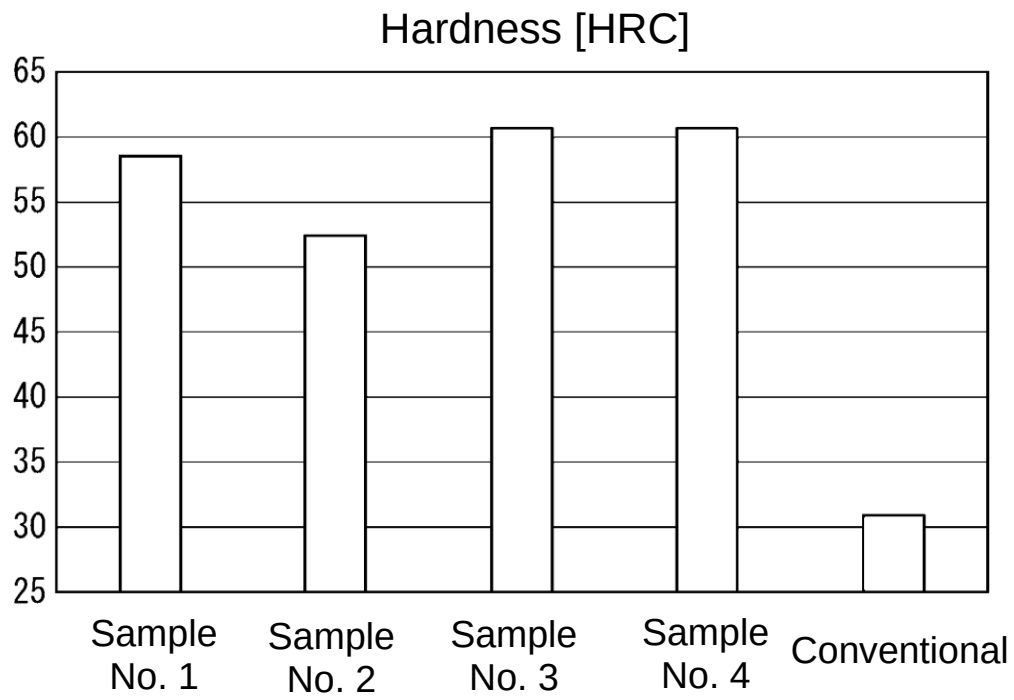


FIG. 5



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FIG. 6

Sample No. 5 Alloy composition: Mo (15 at.%) Cr (35 at.%) Ni (25 at.%) Al (25 at.%)

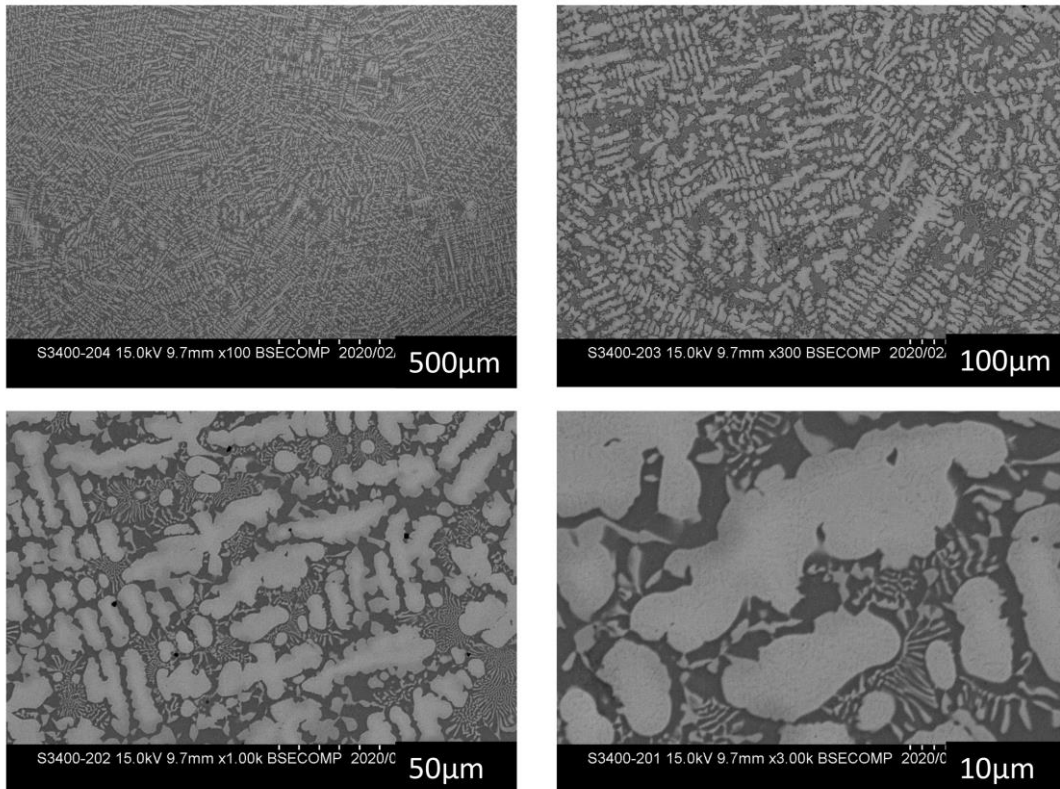


FIG. 7

Sample No. 6 Alloy composition: Mo (10 at.%) Cr (50 at.%) Ni (20 at.%) Al (20 at.%)

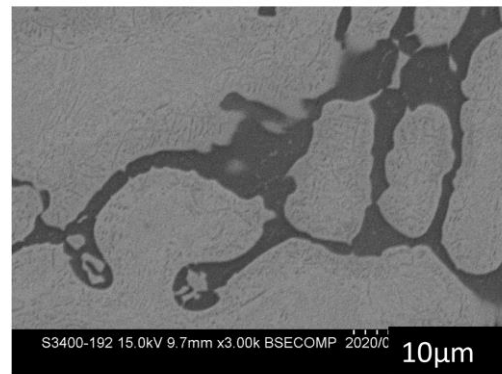
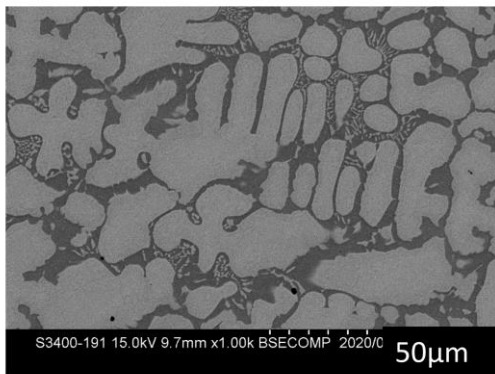
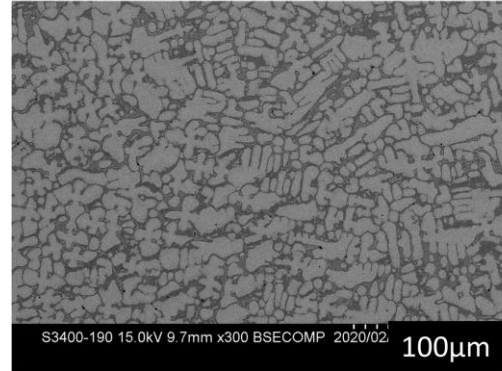
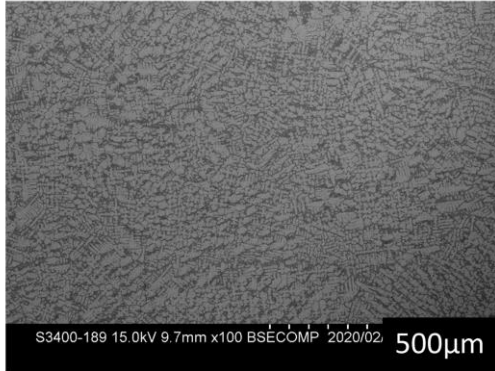


FIG. 8

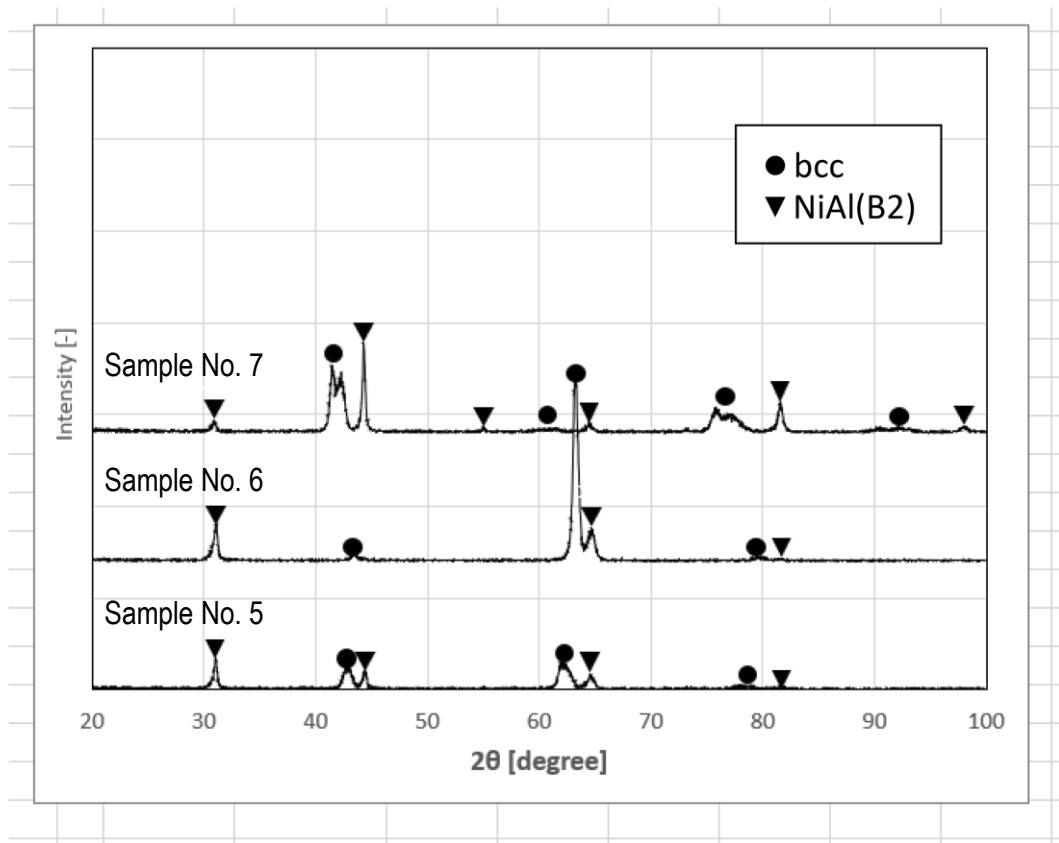


FIG. 9

Sample No. 8 (Additively manufactured body) laser-beam output: 1.6 kW
Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

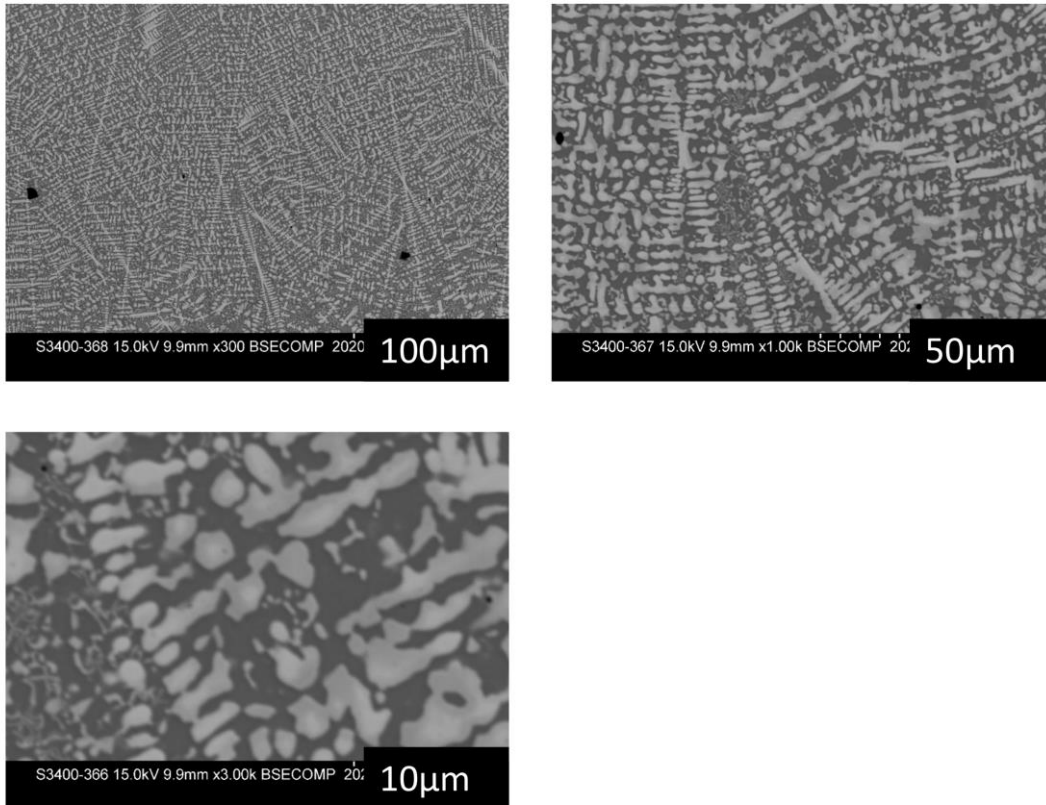


FIG. 10

Sample No. 9 (Additively manufactured body) laser-beam output: 2.0 kW
Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

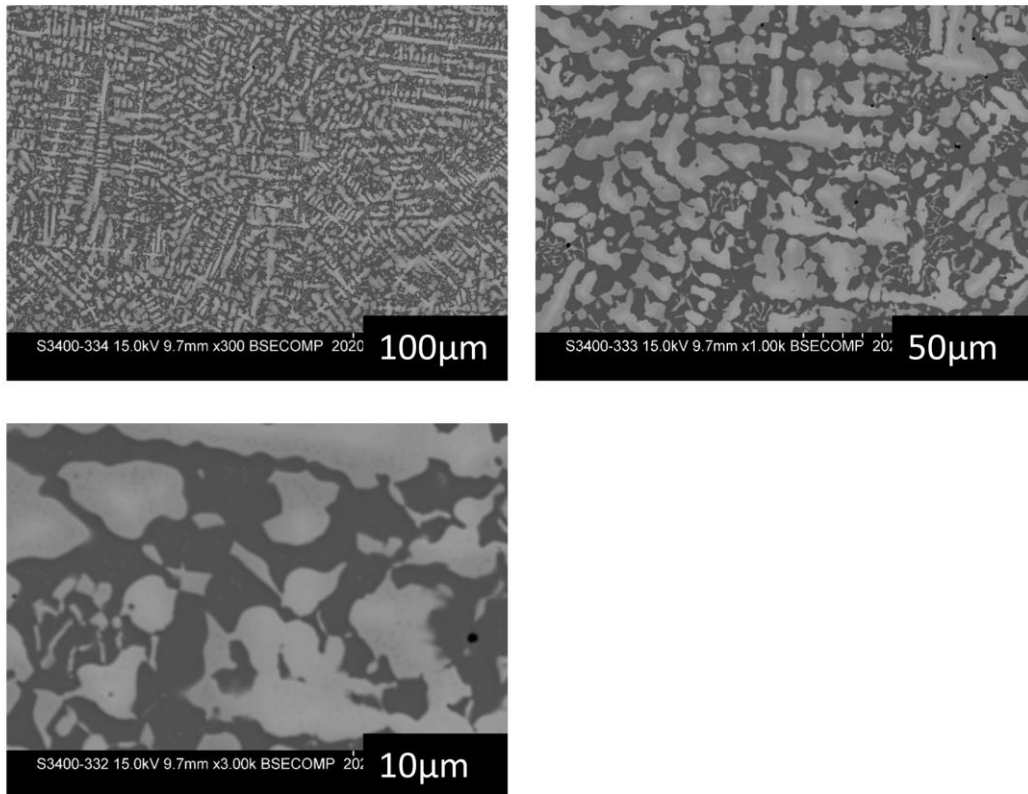


FIG. 11

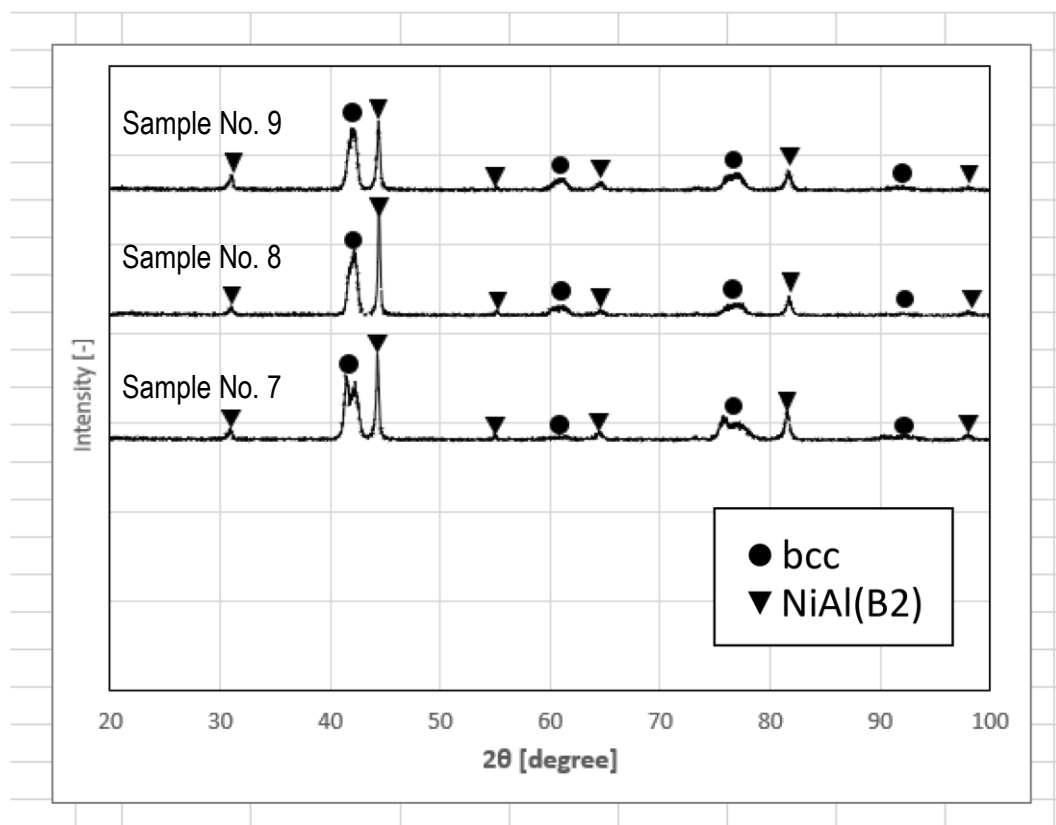


FIG. 12

Sample No. 7 (Ingot)

Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

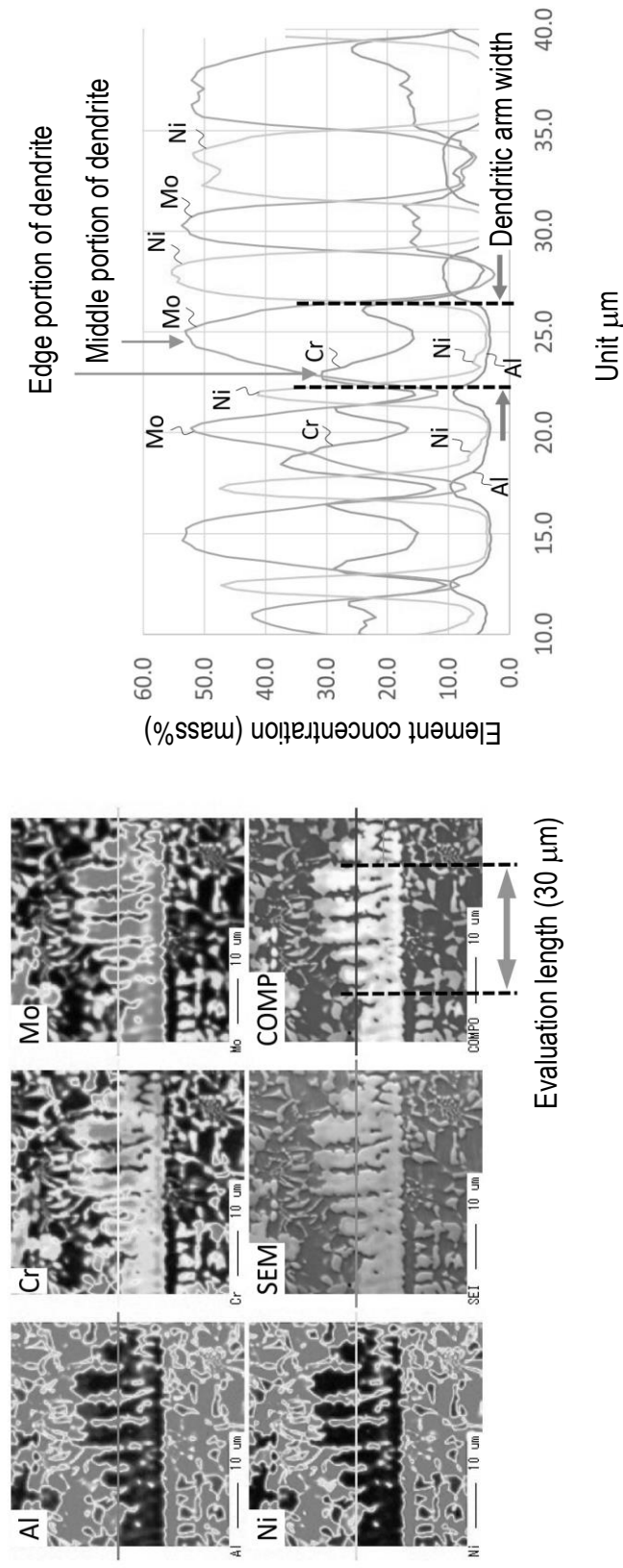


FIG. 13

Sample No. 8 (Additively manufactured body) laser-beam output: 1.6 kW
Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

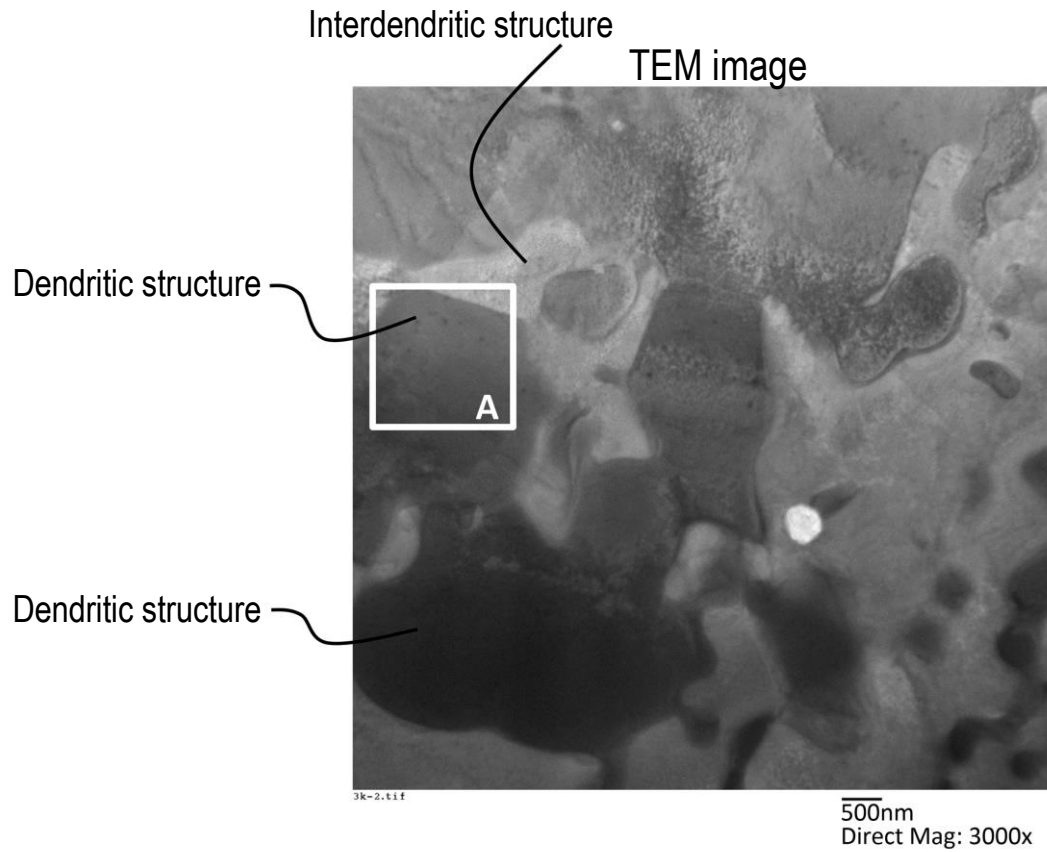


FIG. 14

Sample No. 8 (Additively manufactured body) laser-beam output: 1.6 kW
Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

Diffraction pattern of dendritic structure in region A

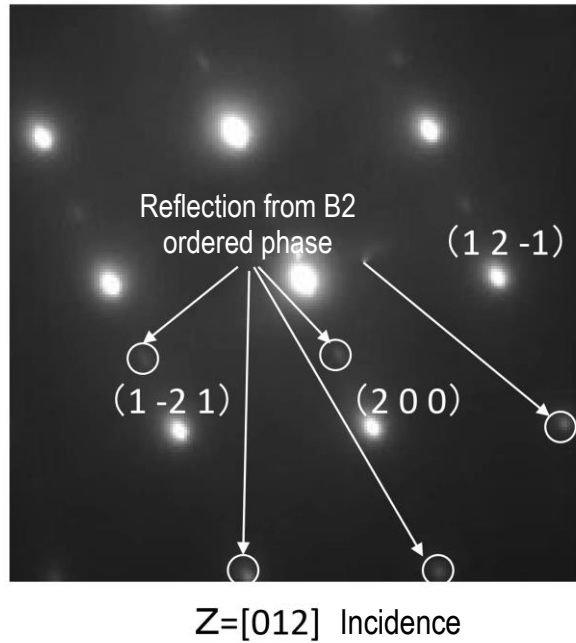


FIG. 15

Sample No. 8 (Additively manufactured body) laser-beam output: 1.6 kW
Alloy composition: Mo (19 at.%) Cr (19 at.%) Ni (28 at.%) Al (34 at.%)

