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(54) Title: PRINTABLE GAMMA PRIME SUPERALLOYS

(57) Abstract: A nickel-based alloy composition for additive manufacturing and an additive manufacturing component made from the nickel-based alloy, which includes: 36 – 89 wt.% nickel; 4 – 9 wt.% aluminum; 6 – 14 wt.% cobalt; 4 – 26 wt.% chromium; 2 – 5 wt.% tantalum; and 3 – 13 wt.% tungsten. The nickel-based alloy composition provides an additive manufacturing component having a cracking density of less than 4.0 cracks/mm².

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