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(54) **Title:** AMALGAMATION PREFORM

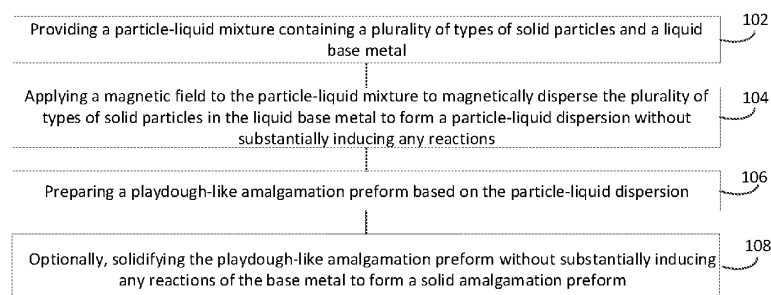


FIG. 1A

(57) **Abstract:** An amalgamation preform includes a base metal, and a plurality of types of solid particles dispersed in the base metal, the base metal including one of a liquid base metal and a solid base metal. The plurality of types of solid particles at least includes: non-reactive magnetic particles, responsive to a magnetic field for controllably dispersing the plurality of types of solid particles in the base metal, and reactive particles, reactable with the base metal under the magnetic field.



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