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(54) **Title:** USE OF REACTIVE FLUIDS IN ADDITIVE MANUFACTURING AND THE PRODUCTS MADE THEREFROM

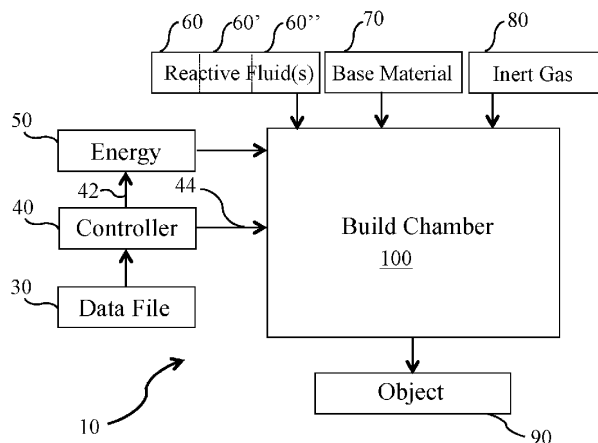


FIGURE 1

(57) **Abstract:** The present invention generally relates to methods and apparatuses adapted to perform additive manufacturing (AM) processes and the resulting products made therefrom, and specifically, to AM processes that employ an energy beam to selectively fuse a base material to produce an object. More particularly, the invention relates to methods and systems that use reactive fluids to actively manipulate the surface chemistry of the base material prior to, during and/or after the AM process.

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