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(54) Title: APPARATUS AND METHOD FOR MAKING UNIFORMLY SIZED AND SHAPED SPHERES

(57) Abstract

Uniform sized and shaped spheres (72) are formed by applying a minute periodic disturbance to a low viscosity liquid material. Pressure forces the material through at least one orifice in a crucible (20) as a steady laminar stream. The stream enters an enclosed controlled temperature solidification environment (14) which contains at least one heat transfer medium. A charging means (110) is applied to the stream as the stream exits the crucible and breaks into a plurality of spheres to deflect the spheres as they pass through an electric field. The enclosed controlled temperature solidification environment cools and substantially solidifies the spheres.

