



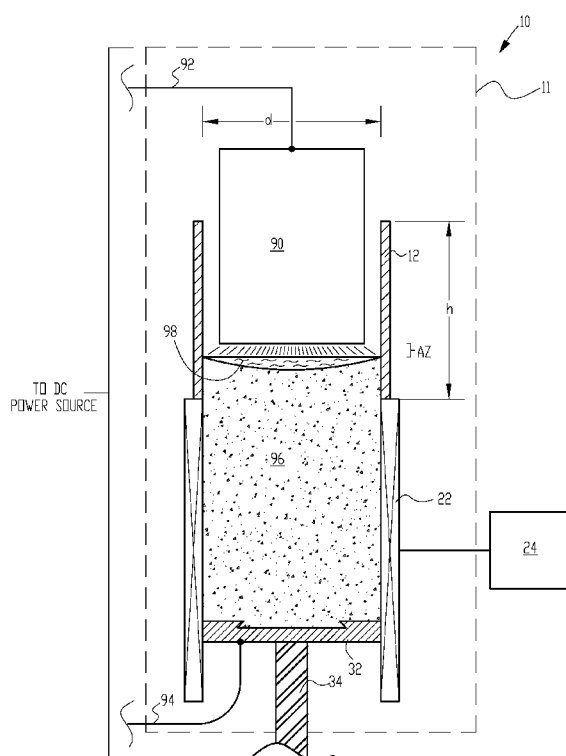
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[Continued on next page]

(54) **Title:** PURIFICATION OF A METALLOID BY CONSUMABLE ELECTRODE VACUUM ARC REMELT PROCESS



(57) **Abstract:** A metalloid such as silicon in the form of a preheated solid electrode is purified by a CEVAR purification process by producing an ingot with controlled heating and cool down after the preheated electrode is melted in a CEVAR furnace system using a short CEVAR open-bottomed crucible.



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