Abstracts

Superconducting Pulse Power Supply (Correspondence)

P.R. Wiederhold. "Superconducting Pulse Power Supply (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.3 (May 1964 [T-MTT]): 386-386.

A method of storing large quantities of of electrical energy inductively, using super-conducting coils operating in liquid helium, has been developed. The stored energy can be released in the form of a high-power pulse of short duration in the order of milliseconds. An experimental device consisting of a 1200-joule storage coil and a superconducting discharge switch was operated successfully in the circuit shown in Fig. 1.

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