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PUBLISHED JULY 6, 1976

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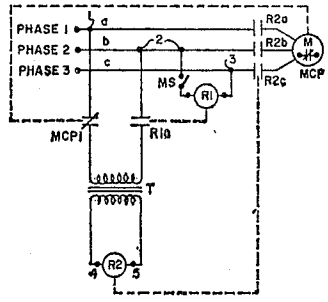
T948,003

PHASE FAILURE PROTECTION CIRCUIT FOR A REGENERATIVE LOAD

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Continuation of abandoned application Ser. No. 497,343, Aug. 14, 1974. This application May 7, 1975, Ser. No. 575,290

Int. Cl. H02h *3/32*
U.S. Cl. 317—46
1 Sheet Drawing. 10 Pages of Specification



A phase failure protection circuit for a three phase regenerative load comprising a circuit breaker for controlling power to the load and being energized by current from a first phase of the source, a relay having normally open contacts which is energized by a second phase of the source for controlling the circuit breaker energization current, and a thermal switch having normally closed contacts which responds to the temperature of the load for controlling the energization current to either the relay or circuit breaker, wherein the circuit breaker contacts will not initially close if any phase of the source is absent and the circuit breaker will be certain to open if one phase of the source should fail during excitation of the load due to overheating of the load even in the presence of regeneration from the load.

PHASE FAILURE PROTECTION CIRCUIT FOR A REGENERATIVE LOAD

Original Filed May 7, 1975

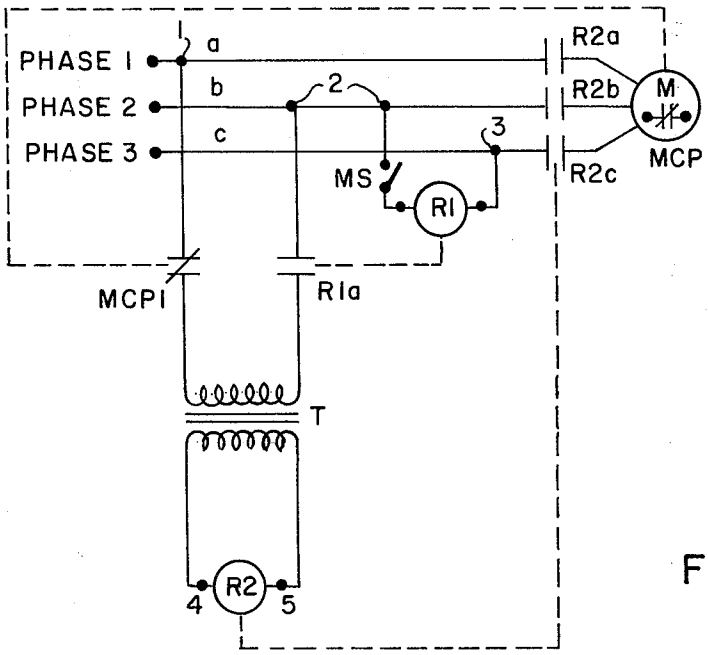


FIG.1.

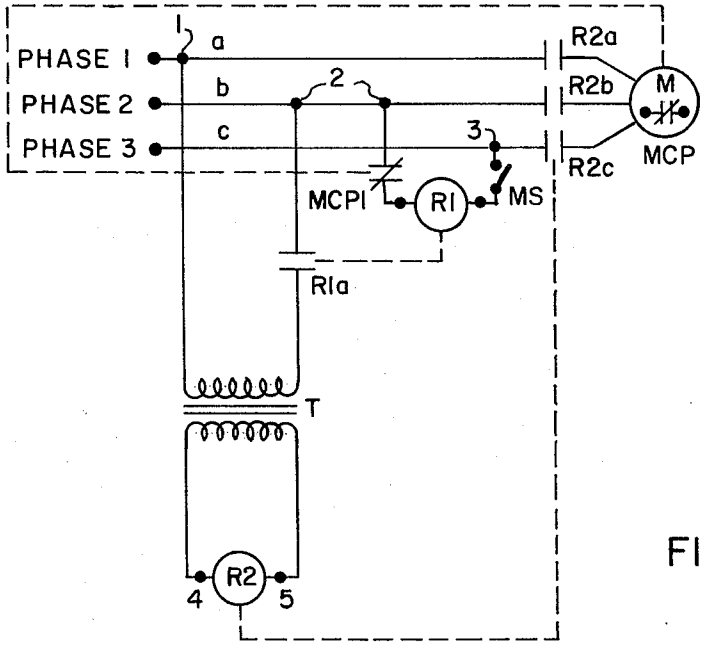


FIG.2.