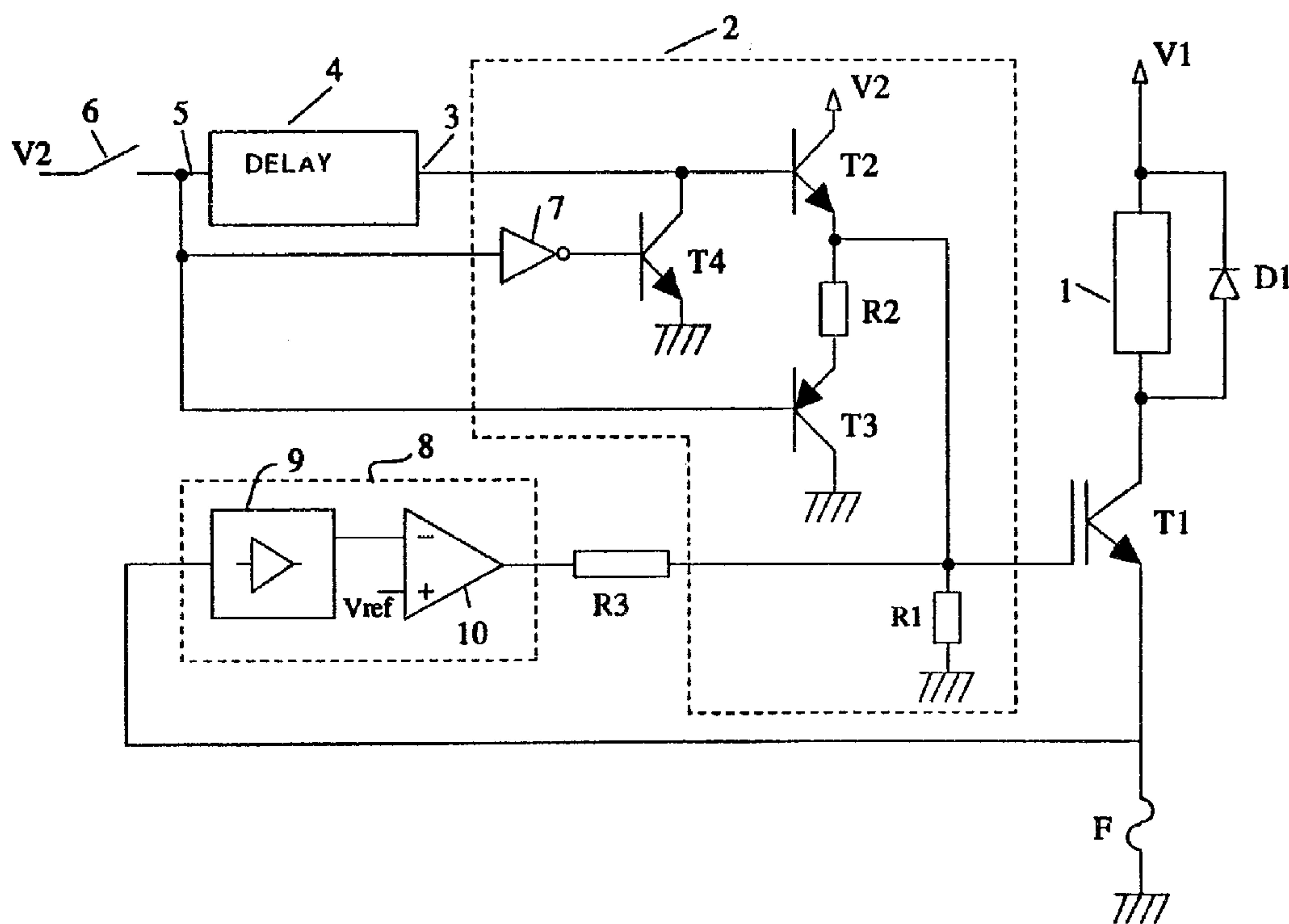




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(72) Perichon, Pierre, FR
(72) Beranger, Bruno, FR
(72) Mertz, Jean-Luc, FR
(73) MERLIN GERIN, FR
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(54) **COMMUTATEUR STATIQUE**
(54) **STATIC SWITCH**



(57) For a preset period (2s) following application of a closing order (5), the semi-conductor (T1) of the static power switch, supplied with DC voltage (V1), is controlled by a regulating circuit (F, 8, R3) so as to operate as a current generator limiting the current to a value (100mA) much lower than its rated value (30A). A fuse (F) acts as measuring shunt. The switch can comprise a circuit breaker function. In this case, the fault detection circuit (13) measures the voltage at the terminals of the semi-conductor (T1) and supplies an opening signal when this voltage exceeds a preset threshold.

ABSTRACTSTATIC SWITCH

For a preset period (2s) following application of a closing order (5), the semi-conductor (T1) of the static power switch, supplied with DC voltage (V1), is controlled by a regulating circuit (F, 8, R3) so as to operate as a current generator limiting the current to a value (100mA) much lower than its rated value (30A). A fuse (F) acts as measuring shunt. The switch can comprise a circuit breaker function. In this case, the fault detection circuit (13) measures the voltage at the terminals of the semi-conductor (T1) and supplies an opening signal when this voltage exceeds a preset threshold.

Refer to figure 7.

