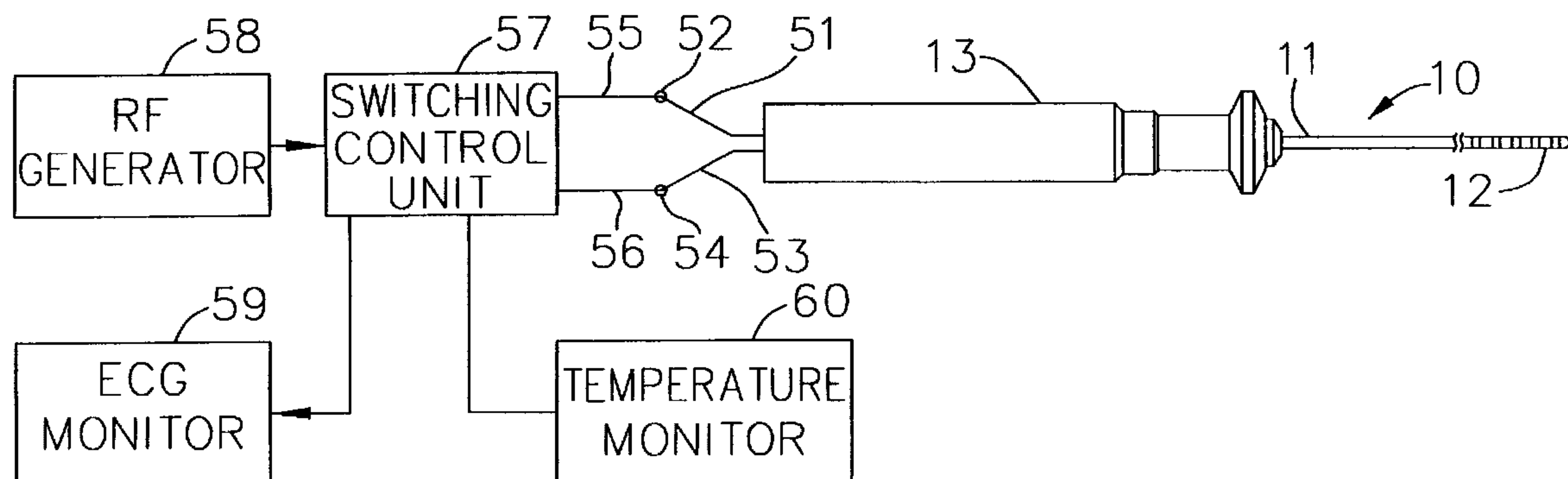




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(54) Titre : CATHETER D'ABLATION A PLUSIEURS ELECTRODES
(54) Title: MULTI-ELECTRODE ABLATION CATHETER



(57) **Abrégé/Abstract:**

A multi-electrode ablation catheter (10) comprises a plurality of thick walled gold alloy electrodes (21) mounted on the tip section (12) of an elongated catheter. Each electrode (21) is electrically connected to a switching unit (57) by means of leads comprising paired copper and constantan wires. The switching unit (57) is electrically connected to an RF generator (58), a temperature monitor (60), and an ECG monitor (59). The switching unit (57) enables an operator to switch between a first mode for monitoring ECG, a second mode for delivering RF energy for tissue ablation to a selected electrode, and monitoring the temperature of that electrode. The copper wire of the lead delivers RF energy. The copper wire and constantan wires combine to form a thermocouple for temperature monitoring.



