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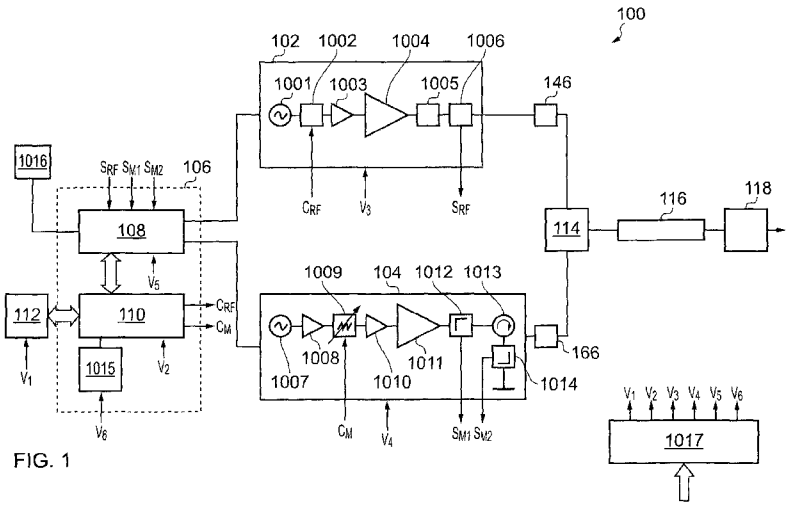


FIG. 1

(57) Abstract: A control system for electrosurgical apparatus in which the energy delivery profile of both RF EM radiation and microwave EM radiation delivered to a probe is set based on sampled voltage and current information of RF energy conveyed to the probe and/or sampled forward and reflected power information for the microwave energy conveyed to and from the probe. The energy delivery profile for the RF EM radiation is for tissue cutting (without requiring a sharp blade) and the energy delivery profile for the microwave EM radiation is for haemostasis or sealing or coagulation or ablation of tissue. The RF EM radiation and microwave EM radiation may be applied separately or simultaneously.

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