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(71) Applicant: **CREO MEDICAL LIMITED** [GB/GB];
Riverside Court, Beaufort Park, Chepstow Monmouthshire
NP16 5UH (GB).

(72) Inventors: **HANCOCK, Christopher Paul**; Flat 5,
Chilton Court, Tynning Lane, Bath Bath and North East
Somerset BA1 6EQ (GB). **WHITE, Malcolm**; Creo Med-
ical Limited, Riverside Court, Beaufort Park, Chepstow
Monmouthshire NP16 5UH (GB).

(74) Agents: **JOHNSON, Richard** et al.; Mewburn Ellis LLP,
33 Gutter Lane, London Greater London EC2V 8AS (GB).

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(54) Title: ELECTROSURGICAL FORCEPS FOR DELIVERING MICROWAVE ENERGY FROM A NON-RESONANT UNBALANCED LOSSY TRANSMISSION LINE STRUCTURE

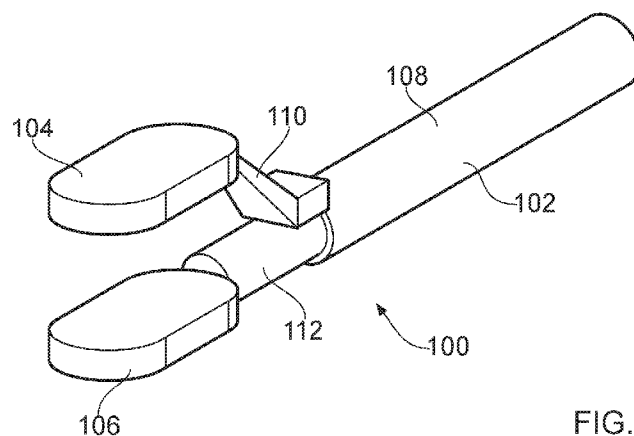


FIG. 1

(57) Abstract: Electrosurgical forceps for delivering microwave energy into biological tissue from a non-resonant unbalanced lossy transmission line structure located within or formed by the jaws of the forceps. The transmission line structure may be formed across the gap between the jaw element by opposed conductive elements, which are respectively electrically connected to inner and outer conductors of a coaxial cable. Alternatively, each jaw element may comprise its own lossy transmission line, whereby a power split-ter is used to divide microwave energy from the coaxial cable. The forceps may be used endoscopically in the gastrointestinal tract or laparoscopically or in open surgery.

