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- (71) **Applicant:** CREO MEDICAL LIMITED [GB/GB];
Riverside Court, Beaufort Park, Chepstow, Monmouthshire
NP16 5UH (GB).
- (72) **Inventors:** EBBUTT, Julian Mark; Bramley Barn, Lower
Daffaluke, Glewstone, Ross-On-Wye, HR9 6BB (GB).
HANCOCK, Christopher Paul; Flat 5, Chilton Court,
Tynning Lane, Chepstow, Bath and North East Somerset
BA1 6EQ (GB). MORRIS, Steven; 7 Georgian House,
Duke Street, Bath, Bath and North East Somerset BA2
4AQ (GB). WHITE, Malcolm; Creo Medical Limited,
Riverside Court, Beaufort Park, Chepstow, Monmouthshire
NP16 5UH (GB). SAUNDERS, Brian; 131 The Drive,
Rickmansworth, Hertfordshire WD3 4DR (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 APPARATUS FOR DELIVERING RF AND/OR MICROWAVE ENERGY INTO BIOLOGIC-
AL TISSUE

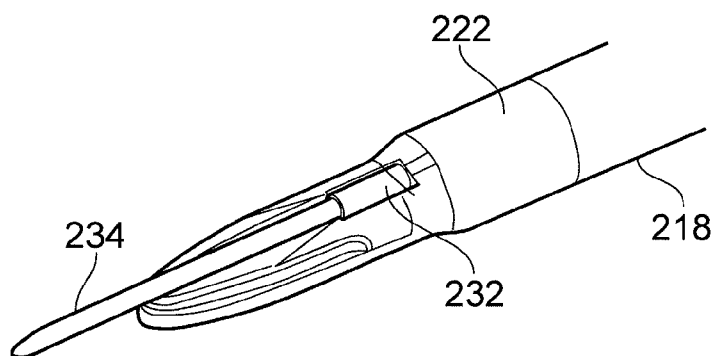


FIG. 9B

(57) **Abstract:** An electrosurgical instrument for applying to biological tissue RF electromagnetic energy and/or microwave frequency EM energy, wherein the instrument tip has a protective hull with a smoothly contoured convex undersurface facing away from a planar body, and wherein the planar body has a tapering distal edge, and wherein an underside of the planar body extends beyond the protective hull at the tapering distal edge. Also disclosed herein is an interface joint for integrating into a single cable assembly all of (i) a fluid feed, (ii) a needle movement mechanism, and (iii) an energy feed (e.g. a coaxial cable), and a torque transfer device for permitting controlled rotation of the cable assembly within the instrument channel of an endoscope. The interface joint and torque transfer device may be integrated as a single component.

