

ELECTROSURGICAL APPARATUS**ABSTRACT**

5 An electrosurgical apparatus having a feed structure
comprising a radiofrequency (RF) channel (306) for conveying
RF electromagnetic (EM) radiation from an RF signal generator
(300) to a probe and a microwave channel (304) for conveying
10 microwave EM radiation from a microwave signal generator (302)
to the probe, wherein the RF channel (306) and microwave
channel (304) comprise physically separate signal pathways,
wherein the feed structure includes a combining circuit (308)
having an input connected to the signal pathway on the RF
15 channel (306), another input connected to the signal pathway
on the microwave channel (304), and an output connected to a
common signal pathway for conveying the RF EM radiation and EM
radiation separately or simultaneously to the probe, and
20 wherein the microwave channel (304) includes a waveguide
isolator (312) connected to isolate the signal pathway on the
microwave channel (304) from the RF EM radiation.

[FIG. 4]