

Abstracts

A New Type of Lightweight Low Frequency Electromagnetic Hyperthermia Applicator

R.H. Johnson, A.W. Preece, J.W. Hand and J.R. James. "A New Type of Lightweight Low Frequency Electromagnetic Hyperthermia Applicator." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 239-242.

A new applicator is described consisting of a resonant circuit formed from a current carrying sheet in the absence of a ground plane and which can be easily matched to a coaxial feeder. Designs for operation at frequencies in a range 10 to 1000 MHz are possible and aperture dimensions can be chosen almost independently of frequency.

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