

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 Transactions on Microwave Theory and Techniques 35.12 (Dec. 1987 [T-MTT] (1987 Symposium Issue)): 1317-1321.

A new applicator is described which consists 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 exceeding 10 to 1000 MHz are possible, and aperture dimensions can be chosen almost independently of frequency.

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