

Abstracts

Miniature sensor for measurement and control of temperatures by microwave radiometry in medical applications

C. Vanoverschelde, L. Dubois, V. Thomy, J.P. Sozanski, J.-C. Camart, M. Chive and J. Pribetich. "Miniature sensor for measurement and control of temperatures by microwave radiometry in medical applications." 2001 MTT-S International Microwave Symposium Digest 01.1 (2001 Vol. I [MWSYM]): 155-158 vol. 1.

In order to improve non-invasive measurement microwave radiometry in medical and industrial applications, we propose a new generation of sensors realized from a metallic sheet laid on a dielectric substrate. It allows the realization of sensors of small sizes and very light weight for medical applications such as neonate's temperature control.

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