

Abstracts

Microwave Measurement of Density Profiles in Fluidized Bed Reactors with Improved Spatial Resolution

T. Hauschild and R. Knochel. "Microwave Measurement of Density Profiles in Fluidized Bed Reactors with Improved Spatial Resolution." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1467-1470.

A technique suitable for measuring density profiles of solids inside an ecologically friendly circulating fluidized bed coal combustor is introduced. Employing a microwave locating reflectometer it is possible to perform measurements in the dense phase of the reactor. Improvement of the spatial resolution by using a pole extraction algorithm is discussed.

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