

## Novel Ferrite Plating for Industrial Production of GHz-Range Electromagnetic Noise Suppressor Sheets

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NiZn ferrite films prepared from an aqueous solution by spin sprayed ferrite plating exhibit high permeability even up to several GHz. Utilizing the excellent high frequency permeability, we<sup>1</sup> have developed GHz-range electromagnetic noise suppressing sheets usable for highly compacted electric devices such as mobile phones. We are at present advancing the industrialization of the noise suppressing ferrite sheets by modifying the spin spray method to “roll spraying method” that enables continuous production of the ferrite sheets. We are further developing more environmental friendly ferrite plating method, which does not use such alkali metal ions as Na<sup>+</sup> and K<sup>+</sup> used in the existing ferrite plating.

1. N. Matsushita, K. Kondo, S. Yoshida, M. Tada, M. Yoshimura, and M. Abe, *IUMRS-ICAM*, Singapore, 3-8 July 2005, submitted to *J. Electroceram.*