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AUTHORITY

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D201/D308

STEP

AUTHORS: Gol'dbaum, I.Ya. and Zakharov, V.K.

TITLE: Interference-killing code for remotely controlled transmission systems

PERIODICAL: Priborostroyeniye, no. 10, 1962, 3-4

TEXT: The analysis of several codes shows that the code "2 from 5" has a relatively high interference immunity and can therefore be used for the transmission of information. Two types of converters of parallel 2 from 5 code into a series code, a converter of binary-decimal code into a series 2 from 5 code and a receiving converter of 2 from 5 code into an ordinary decimal code are described. One of the first two is a ferrite matrix with rectangular hysteresis loop. The other type utilizes the principle of "current steering". The latter is stated to have the advantage of having no pulses of complex shape at the output rails during the registration of the code being formed and that current pulses of considerable magnitude may be obtained (up to 1A with ferrite type ПП -24 (PP-24)). It

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Interference-killing ...

is stated that the circuits described can be used, after certain modifications, for designing other types of code converters. There are 2 tables and 3 figures.

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