Title (en)

METHOD AND APPARATUS FOR CORRECTION OF ERRORS IN FIRE CODES USED IN GSM CONTROL CHANNELS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FEHLERKORREKTUR IN FIRE CODES IN GSM-STEUERUNGSKANÄLEN

Title (fr)

PROCEDE ET APPAREIL DE CORRECTION DES ERREURS DANS DES CODES DE LANCEMENT UTILISES DANS DES CANAUX DE COMMANDE GSM

Publication

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Application

EP 00949416 A 20000728

Priority

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- IT MI991711 A 19990730

Abstract (en)

[origin: WO0110040A2] Method and device for decoding with error correction of a cyclic code signal r(x) containing a main error burst shorter than or equal to a number n and a secondary error shorter than or equal to a number k where k<n with the secondary burst causing in a syndrome S(x) calculated on r(x) the not zeroing of all the bits in the first n positions with the cyclic code being a shortened Fire code to supply at most a standard correction of a single burst shorter than or equal to n. According to the method the error burst correction algorithm originally proposed by Fire but modified with the error trapping procedure based on recognition of first k bits of the syndrome generated by the secondary bursts is used jointly.

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