

Title (en)

METHOD AND DEVICE FOR DETERMINING INTERPOLATED INTERMEDIATE VALUES OF A SAMPLED SIGNAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERMITTELN VON INTERPOLIERTEN ZWISCHENWERTEN EINES ABGETASTETEN SIGNALS

Title (fr)

PROCEDE ET DISPOSITIF POUR LA DETERMINATION DE VALEURS INTERMEDIAIRES INTERPOLEES D'UN SIGNAL ECHANTILLONNE

Publication

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Application

EP 00930996 A 20000403

Priority

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Abstract (en)

[origin: WO0065537A1] To determine interpolated intermediate values of a sampled signal, for example a digital mobile telephone signal, the parameters a, b and c of the second-degree polynomial $y = ax^2 + bx + c$ are determined from three known sampling values (x1, y1), (x2, y2) and (x3, y3), so that intermediate values can be calculated on the basis of said polynomial. It is assumed that the signal is sampled at constant intervals d, notably at intervals normalized to d = 1, and the sampling time x2 = 0 is assigned to the known middle sampling value, so that calculation requires little hardware.

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G06T 3/40; **G06F 17/17**

IPC 8 full level

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Citation (search report)

See references of WO 0065537A1

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