

Title (en)

PROCESS AND ARRANGEMENT FOR CONVERTING AN ACOUSTIC SIGNAL TO AN ELECTRICAL SIGNAL

Title (de)

VERFAHREN UND ANORDNUNG ZUM UMWANDELN EINES AKUSTISCHEN SIGNALS IN EIN ELEKTRISCHES SIGNAL

Title (fr)

PROCEDE ET DISPOSITIF POUR TRANSFORMER UN SIGNAL ACOUSTIQUE EN SIGNAL ELECTRIQUE

Publication

EP 0890291 B1 20010905 (DE)

Application

EP 97900600 A 19970114

Priority

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Abstract (en)

[origin: US6697493B1] To facilitate direct conversion to digital form of an acoustic signal acting on the acoustic receptor of an acoustic receiver while satisfying requirements of dynamic range, noise and adequate quantization, the following is proposed: the acoustic receptor should be exposed to a counter-signal when the acoustic signal acts on it in such a way that the acoustic receptor is largely maintained in its rest state despite the action of the acoustic signal. The counter-signal is derived from the control variable of a control circuit which is a component of the acoustic receptor. The control variable contains the information on the acting acoustic signal. Any deviation of the receptor from its rest state immediately generates a digital "nought" or "one."

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H04R 1/00

IPC 8 full level

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CPC (source: EP US)

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AT CH DE DK FR GB LI

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US 6697493 B1 20040224; AT E205354 T1 20010915; DE 19612068 A1 19971002; DE 59704535 D1 20011011; DK 0890291 T3 20011227; EP 0890291 A1 19990113; EP 0890291 B1 20010905; JP 2000514608 A 20001031; JP 3534778 B2 20040607; WO 9736454 A1 19971002

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