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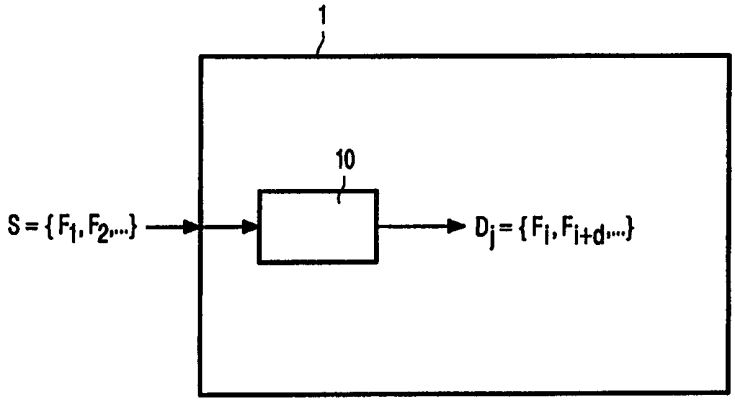
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(54) Title: WATERMARK DETECTION



(57) Abstract

Method of detecting a watermark embedded in a signal (S), in which a plurality of frames ({F_1, F_2, ...) of the signal (S) is combined to a detection set (D_j) for one detection event. According to the invention, the reliability of watermark detection is enhanced by using non–consecutive frames ({F_i, F_{i+d}, ...) to form the detection set (D_j). The invention also relates to an apparatus (2) for recording and/or playback of a signal, and to a system for broadcast monitoring, comprising such a watermark detector (24).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 99/00293

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04N 5/913, H04N 1/32, H04N 7/08, H04N 1/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	Europena Signal Processing Conference 9 Rhodes, Greece 1998, Signal processing IX/ninth European SignalProcessing Conference, 8-11 September 1998: ed. by S. Theodoridis Patras, Greece Typorama Edi 1998, see the whole document ---	1-7
P,A	WO 9831152 A2 (KONINKLIJKE PHILIPS ELECTRONICS N.V. ET AL), 16 July 1998 (16.07.98), abstract ---	1-7

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA: Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Michel Gascoin/cs Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/08/99

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9831152 A2	16/07/98	AU 7995598 A	03/08/98
		EP 0891674 A	20/01/99
		EP 0934656 A	11/08/99
		WO 9911064 A	04/03/99