



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>7</sup> :</b><br><b>H04N 7/26</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>A3</b> | <b>(11) International Publication Number:</b> <b>WO 00/03545</b><br><b>(43) International Publication Date:</b> 20 January 2000 (20.01.00)                                                                                                                                                                                                                                                                                                 |
| <b>(21) International Application Number:</b> PCT/IB99/01194<br><b>(22) International Filing Date:</b> 24 June 1999 (24.06.99)<br><b>(30) Priority Data:</b><br>PCT/US98/14467 10 July 1998 (10.07.98) US<br><b>(71) Applicant:</b> KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).<br><b>(71) Applicant (for SE only):</b> PHILIPS AB [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).<br><b>(72) Inventors:</b> KLEIHORST, Richard, P.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN DER AVOIRD, André; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). DA SILVA CRUZ, Luis, A.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).<br><b>(74) Agent:</b> STEENBEEK, Leonardus, J.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). |           | <b>(81) Designated States:</b> JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i><br><b>(88) Date of publication of the international search report:</b><br>13 April 2000 (13.04.00) |
| <b>(54) Title:</b> MOTION VECTOR PROCESSING<br><div style="text-align: center;"> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>(57) Abstract</b><br><p>In a motion vector processing method, a motion vector (MV) is generated (MV-EVAL, MV-MEM) for a given picture part (I) based on a selection of a motion vector out of a predetermined set of motion vectors to obtain a selected motion vector, and the given picture part (I) is supplied (EOC) together with a selection indication (SI) of the selected motion vector. In an image signal decoder, motion data are obtained from the selection indication (SI), and an output picture part is generated based on the given picture part (I) and the motion data.</p>                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 99/01194

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04N 7/26

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)

IPC7: 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. |
|-----------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Y         | EP 0294961 A2 (SONY CORPORATION), 14 December 1988 (14.12.88), column 2, line 45 - line 57, figure 12, abstract<br>--    | 1-4                   |
| Y         | EP 0590663 A2 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 6 April 1994 (06.04.94), figures 7,13, claim 1, abstract<br>-- | 1-4                   |
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| A         | US 4942466 A (CHARLES P. SANDBANK ET AL), 17 July 1990 (17.07.90), see whole document<br>--                              | 1-4                   |

☐ 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

16 February 2000

Date of mailing of the international search report

18 -02- 2000

Name and mailing address of the ISA/

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

02/12/99

International application No.

PCT/IB 99/01194

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