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PCT/EP2011/052463(74) Agents: **DRIVER, Virginia Rozanne** et al.; Page White & Farrer, Bedford House, John Street, London, Greater London WC1N 2BF (GB).(22) International Filing Date:  
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12/838,168 16 July 2010 (16.07.2010) US(71) Applicant (for all designated States except US): **SKYPE LIMITED** [IE/IE]; Arthur Cox Building, Earlsfort Centre, Earlsfort Terrace, Dublin, 2 (IE).

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[Continued on next page]

(54) Title: DATA COMPRESSION FOR VIDEO

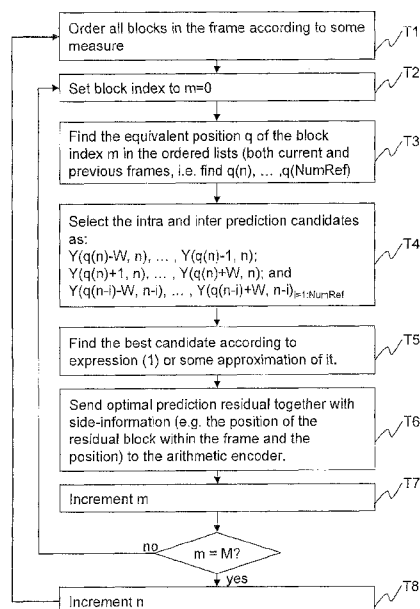


Fig 10

(57) Abstract: The present invention provides an encoded bitstream and corresponding decoder. An encoded bit stream of compressed video data represents a plurality of successive video frames with each frame being divided into a plurality of portions and each portion corresponding to a plurality of pixels. The encoded bit stream comprises: a set of quantized transform domain coefficients representing a first one of said portions; difference data for a second one of said portions, wherein the difference data defines a difference between transform domain coefficients of the first portion and the predicted second portion, such that the second portion can be predicted from the first portion; and an address specifying the location of the first portion in terms of a whole number of said portions instead of a pixel offset.



LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,  
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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. H04N7/26  
ADD.

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)  
H04N

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

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

EP0-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MINGZHOU SONG ET AL: "Motion estimation in DCT domain", COMMUNICATION TECHNOLOGY PROCEEDINGS, 1996. ICCT'96., 1996 INTERNATIONAL CONFERENCE ON BEIJING, CHINA 5-7 MAY 1996, NEW YORK, NY, USA, IEEE, US, vol. 2, 5 May 1996 (1996-05-05), pages 670-674, XP010532901, DOI: 10.1109/ICCT.1996.544972 ISBN: 978-0-7803-2916-4 abstract page 671, left-hand column, paragraph 2 - paragraph 3 -----	1-13
X	EP 1 024 456 A2 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 2 August 2000 (2000-08-02) abstract paragraph [0019] ----- -/--	1,11-13

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search

8 March 2012

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2009/180538 A1 (VISHARAM MOHAMMED Z [US] ET AL) 16 July 2009 (2009-07-16) abstract paragraph [0031]; figure 4 -----</p>	1-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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