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66182 Tel-Aviv (IL).(72) Inventors: **CARMEL, Sharon**; 11 Nahal Habesor St.,
47204 Ramat Hasharon (IL). **GILL, Dror**; 8a Givat
Downes St., 34345 Haifa (IL). **SHOHAM, Tamar**; 23b
Hador St., 42751 Netanya (IL). **LEIBMAN, Amir**; 12 Dr.
Yehuda Perach St., 42235 Netanya (IL).(74) Agent: **HAUSMAN, Ehud**; Reinhold Cohn And Partners,
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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
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ML, MR, NE, SN, TD, TG).**Declarations under Rule 4.17:**

- *as to the applicant's entitlement to claim the priority of the
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- *of inventorship (Rule 4.17(iv))*

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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR CONTROLLING VIDEO FRAME ENCODING

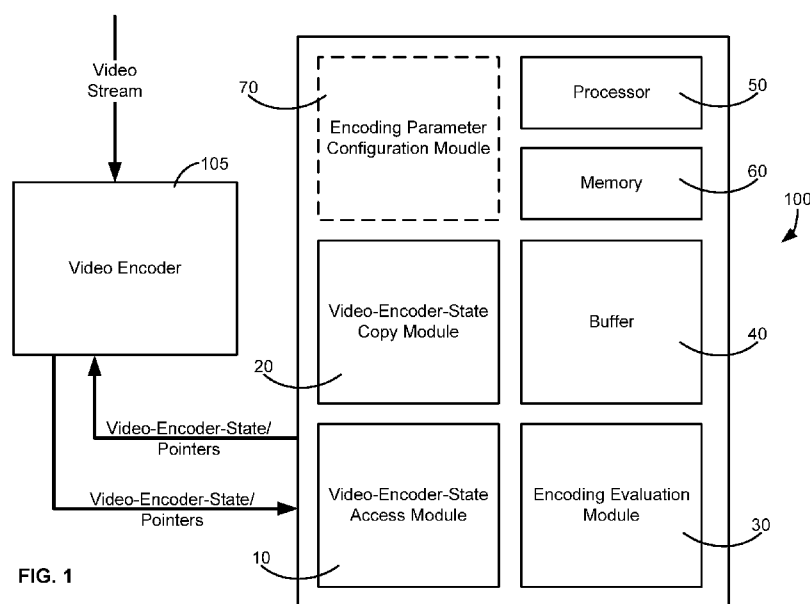


FIG. 1

(57) **Abstract:** A method of enabling iterative encoding of a video frame by a video encoder, comprising obtaining a video-encoder-state resulting from encoding of a previous input video frame and previous to encoding of a current input video frame, copying the video-encoder-state giving rise to a reserved state and obtaining a candidate current encoded video frame from the video encoder, and in case the candidate current encoded video frame does not meet an encoding criterion, copying the reserved state back to the video encoder to enable the video encoder to re-encode the current input video frame.



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A. CLASSIFICATION OF SUBJECT MATTER

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USPC - 375/240.01

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)

IPC(8) - H04N 1/417, 7/12, 11/02 (2013.01)

USPC - 375/240, 240.01, 240.03

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC: H04N 1/417, 7/12, 11/02 (2013.01)

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

Orbit, Google Scholar, Google Patents

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2007/0002946 A1 (BOUTON et al) 04 January 2007 (04.01.2007) entire document	1,4-7, 16, 19-22, 31, 32, 35, 37, 39, 40 ----- 2, 3, 8-15, 17, 18, 23-30, 33, 34, 36, 38, 41, 42
Y	US 2003/0012275 A1 (BOICE et al) 16 January 2003 (16.01.2003) entire document	8-15, 23-30, 33, 34, 36, 38, 41, 42
Y	US 2010/0260271 A1 (KAPOOR) 14 October 2010 (14.10.2010) entire document	2, 3, 17, 18
A	US 5,612,900 A (AZADEGAN et al) 18 March 1997 (18.03.1997) entire document	1-42

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Authorized officer:

Blaine R. Copenheaver

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