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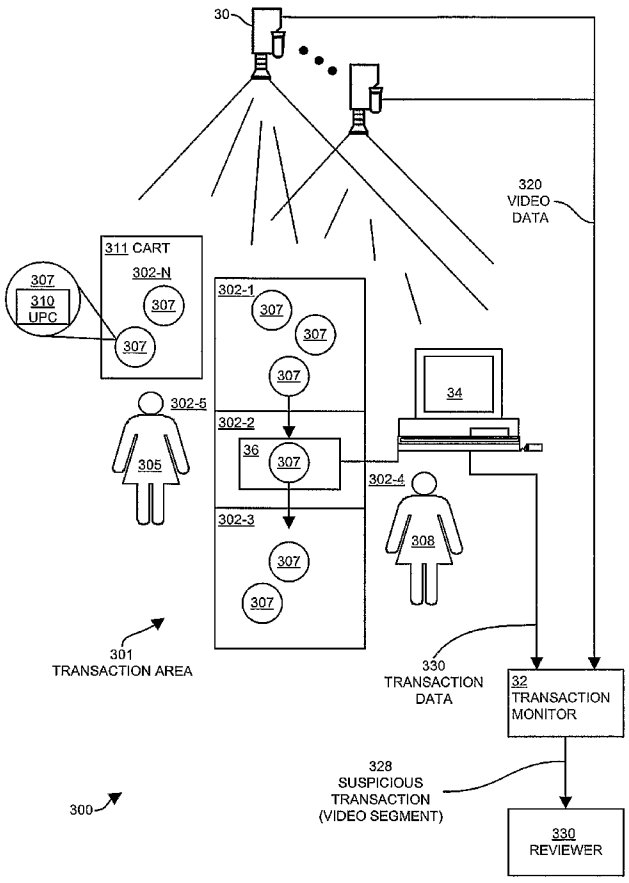
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DETECTING SUSPICIOUS ACTIVITY USING VIDEO ANALYSIS



(57) Abstract: A system detects a transaction outcome by obtaining video data associated with a transaction area (301) and analyzing the video data (320) to obtain at least one video transaction parameter concerning transactions associated with the transaction area (301). The transaction area (301) can be a video count of items indicated in the video data (320) as detected by an automated item detection algorithm applied to the video data (320). The system obtains at least one expected transaction parameter concerning an expected transaction that occurs in the transaction area (301), such as a scan count of items scanned at a point of sale terminal. The system automatically compares the video transaction parameter(s) to the expected transaction parameter(s) to identify a transaction outcome that may indicate fraudulent activity such as sweethearting in a retail environment (300).

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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
U.S. : 235/383, 385

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 practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- A	US 5,745,036 A (CLARE) 28 April 1998 (28.04.1998), see entire document	1-8,14-19,21,33,34 --- 9-13,20,23-32

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