

Title (en)

METHOD AND APPARATUS FOR DETECTING SUSPICIOUS ACTIVITY USING VIDEO ANALYSIS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG VERDÄCHTIGER AKTIVITÄTEN MITTELS VIDEOANALYSE

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE DETECTER UNE ACTIVITE SUSPECTE AU MOYEN D'UNE ANALYSE VIDEO

Publication

**EP 1872307 A4 20121003 (EN)**

Application

**EP 06749003 A 20060329**

Priority

- US 2006011853 W 20060329
- US 66608105 P 20050329

Abstract (en)

[origin: WO2006105376A2] A system detects a transaction outcome by obtaining video data associated with a transaction area and analyzing the video data to obtain at least one video transaction parameter concerning transactions associated with the transaction area. The transaction area can be a video count of items indicated in the video data as detected by an automated item detection algorithm applied to the video data. The system obtains at least one expected transaction parameter concerning an expected transaction that occurs in the transaction area, 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.

IPC 8 full level

**G06K 15/00** (2006.01); **G07F 19/00** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP)

**G07F 19/207** (2013.01); **G07G 1/00** (2013.01); **G07G 3/003** (2013.01); **G08B 13/19604** (2013.01)

Citation (search report)

- [I] US 5083638 A 19920128 - SCHNEIDER HOWARD [CA]
- [I] EP 0672993 A2 19950920 - NOVAK JEFFREY M [US]
- [I] GB 2161631 A 19860115 - CHECKROBOT INC
- [I] EP 0843293 A2 19980520 - NCR INT INC [US]
- See references of WO 2006105376A2

Citation (examination)

WO 9529470 A1 19951102 - KATZ BARRY [US]

Designated contracting state (EPC)

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**WO 2006105376 A2 20061005; WO 2006105376 A3 20071221**; CN 101268478 A 20080917; CN 101268478 B 20120815; EP 1872307 A2 20080102; EP 1872307 A4 20121003; JP 2008538030 A 20081002; JP 5054670 B2 20121024

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