

Title (en)  
THEFT PREDICTION AND TRACKING SYSTEM

Title (de)  
DIEBSTAHLVORHERSAGE- UND -VERFOLGUNGSSYSTEM

Title (fr)  
RÉFÉRENCE CROISÉE VERS DES APPLICATIONS ASSOCIÉES

Publication  
**EP 3806053 A1 20210414 (EN)**

Application  
**EP 20201201 A 20201011**

Priority  
US 201916599691 A 20191011

Abstract (en)  
Systems and methods for detecting potential theft and identifying individuals having a history of committing theft are presented. In an embodiment, an electromagnetic emission associated with a personal electronic device associated with an individual is received from at least one of a sensor that is coupled to, or included as part of, at least one of a traffic camera or an aerial drone camera. One or more signal properties of the electromagnetic emission are analyzed to determine an emission signature. Video data and video analytics are utilized to determine whether an individual has taken possession of an item. The video analytics are correlated with the emission signature in an attempt to identify the individual having possession of the item. The emission signature and video data are stored for later use during a checkout procedure. If an emission signature detected at a checkout station matches that of the individual having possession of the item, and the item is not processed through the checkout station, an alert is issued and the individual is flagged as a potential shoplifter.

IPC 8 full level  
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CPC (source: EP)  
**G08B 13/00** (2013.01); **G08B 13/19645** (2013.01); **G08B 29/183** (2013.01); **G08B 13/1965** (2013.01)

Citation (search report)  
• [Y] US 2019172293 A1 20190606 - CAREY JAMES [US]  
• [Y] US 2017256149 A1 20170907 - CAREY JAMES [US]  
• [Y] US 2015341599 A1 20151126 - CAREY JAMES [US]

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WO2024151952A1

Designated contracting state (EPC)  
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