

Title (en)
PREDICTING INVENTORY EVENTS USING SEMANTIC DIFFING

Title (de)
VORHERSAGE VON INVENTAREREIGNISSEN MIT SEMANTISCHEM DIFFING

Title (fr)
PRÉDICTION D'ÉVÉNEMENTS D'INVENTAIRE À L'AIDE D'UNE DIFFÉRENCIATION SÉMANTIQUE

Publication
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Application
EP 18843163 A 20180726

Priority

- US 201762542077 P 20170807
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- US 2018043937 W 20180726

Abstract (en)
[origin: WO2019032307A1] Systems and techniques are provided for tracking puts and takes of inventory items by subjects in an area of real space. A plurality of cameras with overlapping fields of view produce respective sequences of images of corresponding fields of view in the real space. In one embodiment, the system includes first image processors, including subject image recognition engines, receiving corresponding sequences of images from the plurality of cameras. The first image processors process images to identify subjects represented in the images in the corresponding sequences of images. The system includes second image processors, including background image recognition engines, receiving corresponding sequences of images from the plurality of cameras. The second image processors mask the identified subjects to generate masked images. Following this, the second image processors process the masked images to identify and classify background changes represented in the images in the corresponding sequences of images.

IPC 8 full level
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CPC (source: EP US)
G06F 18/24143 (2023.01 - EP); **G06N 3/045** (2023.01 - EP); **G06N 3/084** (2013.01 - EP); **G06Q 10/087** (2013.01 - EP); **G06Q 20/20** (2013.01 - EP); **G06Q 20/203** (2013.01 - EP US); **G06Q 20/208** (2013.01 - EP); **G06Q 30/02** (2013.01 - EP); **G06Q 30/06** (2013.01 - EP); **G06V 10/454** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US); **G06V 20/52** (2022.01 - EP US); **G07G 1/0054** (2013.01 - EP); **H04N 17/002** (2013.01 - EP); **H04N 23/90** (2023.01 - EP)

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- See also references of WO 2019032306A1

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