

Title (en)

A NEUROMORPHIC SYSTEM FOR REAL-TIME VISUAL ACTIVITY RECOGNITION

Title (de)

NEUROMORPHES SYSTEM FÜR ECHTZEIT-SEAKTIVITÄTSEKKNUNG

Title (fr)

SYSTÈME NEUROMORPHIQUE DE RECONNAISSANCE D'ACTIVITÉ VISUELLE EN TEMPS RÉEL

Publication

EP 3635628 A2 20200415 (EN)

Application

EP 18823688 A 20180406

Priority

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- US 2018026432 W 20180406

Abstract (en)

[origin: WO2019005257A2] Described is a system for visual activity recognition that includes one or more processors and a memory, the memory being a non-transitory computer-readable medium having executable instructions encoded thereon, such that upon execution of the instructions, the one or more processors perform operations including detecting a set of objects of interest in video data and determining an object classification for each object in the set of objects of interest, the set including at least one object of interest. The one or more processors further perform operations including forming a corresponding activity track for each object in the set of objects of interest by tracking each object across frames. The one or more processors further perform operations including, for each object of interest and using a feature extractor, determining a corresponding feature in the video data. The system may provide a report to a user's cell phone or central monitoring facility.

IPC 8 full level

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CPC (source: EP US)

G06F 18/24143 (2023.01 - EP); **G06F 18/285** (2023.01 - EP); **G06N 3/044** (2023.01 - EP); **G06N 3/045** (2023.01 - EP); **G06N 3/063** (2013.01 - EP US); **G06N 20/10** (2018.12 - EP); **G06V 10/82** (2022.01 - EP US); **G06V 20/52** (2022.01 - EP US); **G06V 40/20** (2022.01 - EP US)

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