

Title (en)

OBJECT DETECTION, ANALYSIS, AND ALERT SYSTEM FOR USE IN PROVIDING VISUAL INFORMATION TO THE BLIND

Title (de)

OBJEKTERKENNUNG, ANALYSE UND ALARMSYSTEM ZUR VERWENDUNG BEI DER BEREITSTELLUNG VISUELLER INFORMATIONEN FÜR BLINDE

Title (fr)

SYSTÈME DE DÉTECTION, D'ANALYSE ET D'ALERTE D'OBJET DESTINÉ À ÊTRE UTILISÉ POUR FOURNIR DES INFORMATIONS VISUELLES À UN AVEUGLE

Publication

EP 3427255 A4 20191120 (EN)

Application

EP 17763919 A 20170307

Priority

- US 201662304785 P 20160307
- US 201662338271 P 20160518
- CN 201610575980 A 20160720
- CN 201620770925 U 20160720
- US 2017021189 W 20170307

Abstract (en)

[origin: WO2017156021A1] A portable, closed-loop system of capture, analysis, and feedback uses a headset containing a small unobtrusive camera and a control computer that communicates wirelessly with a wireless network and/or remote platform. The headset may also contain user controls, an audio feedback component, a battery, interconnection circuitry, cables, and connections for an intraoral device. The camera component of the headset captures images during an activity to be analyzed, such as walking or viewing a room, and sends data (e.g., visual data) to the controller. The controller transmits the data to a database on the remote platform that includes software that instantly analyzes the image information represented in the data, then provides immediate feedback to the headset. The controller may independently process the data.

IPC 8 full level

A61F 9/08 (2006.01); **G06V 10/44** (2022.01)

CPC (source: EP US)

A61F 9/08 (2013.01 - EP); **A61H 3/061** (2013.01 - US); **G06F 3/012** (2013.01 - EP); **G06V 10/44** (2022.01 - EP US); **G06V 20/176** (2022.01 - US); **G06V 20/20** (2022.01 - EP US); **G16H 20/30** (2017.12 - EP US); **G16H 40/63** (2017.12 - EP); **A61H 2003/063** (2013.01 - US)

Citation (search report)

- [XAI] US 2013250078 A1 20130926 - LEVY ARON [US]
- [XA] WO 9939670 A1 19990812 - WISCONSIN ALUMNI RES FOUND [US], et al
- [A] WO 2015143203 A1 20150924 - SCHEPENS EYE RES INST [US]
- [A] GB 2378301 A 20030205 - HEWLETT PACKARD CO [US]
- [A] US 5636038 A 19970603 - LYNT INGRID H [US], et al
- See references of WO 2017156021A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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