

Search history

Search pn=WO2015157133 (Results 1)

1:

Search [SP]: 1. in a computing device, a method for using audio feedback to alert a viewer of a display device that a visual change in the display device has been triggered, the method comprising: receiving gaze tracking data of the viewer from a gaze tracking system using the gaze tracking data, determining that the viewer changes a gaze location from a first gaze location to a second gaze location based on determining that the viewer changes the gaze location to the second gaze location, triggering the visual change based on determining that the viewer changes the gaze location to the second gaze location, providing the audio feedback to the viewer indicating that the visual change has been triggered if a cancel change input is not received within a predetermined timeframe, then controlling the display device to display the visual change and if the cancel change input is received within the predetermined timeframe, then controlling the display device to refrain from displaying the visual change. 2. the method of claim 1, wherein the visual change comprises switching from a first content stream comprising first content audio to a second content stream, and providing the audio feedback comprises decreasing a volume of the first content audio over the predetermined timeframe. 3. the method of claim 1, wherein a second content stream comprises second content audio, and providing the audio feedback further comprises increasing a volume of the second content audio over the predetermined timeframe. 4. the method of claim 1, wherein the audio feedback comprises an earcon. 5. the method of claim 1, wherein the first gaze location corresponds to a first content stream and the second gaze location corresponds to a second content stream. 6. the method of claim 1, wherein the cancel change input comprises the viewer changing the gaze location from the second gaze location to a third gaze location. 7. the method of claim 1, wherein the cancel change input is selected from the group consisting of a verbal command from the viewer, a plurality of eye blinks by the viewer, and a viewer gesture. 8. the method of claim 1, further comprising, based on determining that the viewer changes the gaze location to the second gaze location, providing haptic feedback to the viewer indicating that the visual change has been triggered. 9. the method of claim 8, wherein the haptic feedback is provided via a wearable computing device worn by the viewer. 10. a computing device for providing audio feedback to alert a viewer of a display device that a visual change in the display device has been triggered, the computing device comprising: a context switching program executed by a processor of the computing device, the context switching program configured to: receive gaze tracking data of the viewer from a gaze tracking system using the gaze tracking data, determine that the viewer changes a gaze location from a first gaze location to a second gaze location based on determining that the viewer changes the gaze location to the second gaze location, trigger the visual change based on determining that the viewer changes the gaze location to the second gaze location, provide the audio feedback to the viewer indicating that the visual change has been triggered if a cancel change input is not received within a predetermined timeframe, then control the display device to display the visual change and if the cancel change input is received within the predetermined timeframe, then control the display device to refrain from displaying the visual change. 11. the computing device of claim 10, wherein the visual change comprises switching from a first content stream comprising first content audio to a second content stream, and providing the audio feedback comprises decreasing a volume of the first content audio over the predetermined timeframe. 12. the computing device of claim 11, wherein the second content stream comprises second content audio, and providing the audio feedback further comprises increasing a volume of the second content audio over the predetermined timeframe. 13. the computing device of claim 10, wherein the audio feedback comprises an earcon. 14. the computing device of claim 10, wherein the first gaze location corresponds to a first content stream and the second gaze location corresponds to a second content stream. 15. the computing device of claim 10, wherein the cancel change input comprises the viewer changing the gaze location from the second gaze location to a third gaze location. 16. the computing device of claim 10, wherein the cancel change input is selected from the group consisting of a verbal command from the viewer, a plurality of eye blinks by the viewer, and a viewer gesture. 17. the computing device of claim 10, wherein the context switching program is further configured to, based on determining that the viewer changes the gaze location to the second gaze location, provide haptic feedback to the viewer indicating that the visual change has been triggered. 18. the computing device of claim 17, wherein the haptic feedback is provided via a wearable computing device worn by the viewer. 19. in a computing device, a method for using non-visual feedback to alert a viewer of a display device that a visual change in the display device has been triggered, the method comprising: receiving gaze tracking data of the viewer from a gaze tracking system using the gaze tracking data, determining that the viewer changes a gaze location from a first gaze location to a second gaze location based on determining that the viewer changes the gaze location to the second gaze location, triggering the visual change based on determining that the viewer changes the gaze location to the second gaze location, providing the non-visual feedback to the viewer indicating that the visual change has been triggered if a cancel change input is not received within a predetermined timeframe, then controlling the display device to display the visual change and if the cancel change input is received within the predetermined timeframe, then controlling the display device to refrain from displaying the visual change. 20. the method of claim 19, wherein the non-visual feedback comprises haptic feedback. (Results 0)

Search [SP]: non-visual feedback of visual change examples relating to using non-visual feedback to alert a viewer of a display that a visual change has been triggered are disclosed. one disclosed example provides a method comprising using gaze tracking data from a gaze tracking system to determine that a viewer changes a gaze location. based on determining that the viewer changes the gaze location, a visual change is triggered and non-visual feedback indicating the triggering of the visual change is provided to the viewer. if a cancel change input is received within a predetermined timeframe, the visual change is not displayed. if a cancel change input is not received within the timeframe, the visual change is displayed via the display. (Results 241)

Search 3 and (gaze tracking) (Results 18)

4:

Search 4 and (audible or audio) (Results 3)

5:

Title: NON-VISUAL FEEDBACK OF VISUAL CHANGE

Abstract: Source: US2015293587A Examples relating to using non-visual feedback to alert a viewer of a display that a visual change has been triggered are disclosed. One disclosed example provides a method comprising using **gaze tracking** data from a **gaze tracking** system to determine that a viewer changes a gaze location. Based on determining that the viewer changes the gaze location, a visual change is triggered and non-visual feedback indicating the triggering of the visual change is provided to the viewer. If a cancel change input is received within a predetermined timeframe, the visual change is not displayed. If a cancel change input is not received within the timeframe, the visual change is displayed via the display.

Classifications:

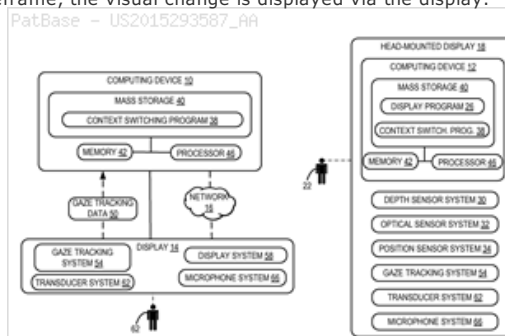
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H04N7/18 (Advanced/Invention);

G06F3/01 G06F3/16 (Core/Invention)

CPC: H04N7/18 G06F3/013 G06F3/165 G06F3/016 G06F3/017 G06F3/167 G06F3/011

US: 1/1 348/143 382/103



Family:

Publication number	Publication date	Application number	Application date
AU2015244101 AA	20151015	AU20150244101	20150406
BR112016021541 A2	20170815	BR20161121541	20150406
CA2943449 AA	20160921	CA20152943449	20150406
CL2016002574 A1	20170324	CL20160002574	20161007
CN106164823 A	20161123	CN201580018933	20150406
CO20160003895 A2	20170209	CO20160003895	20161108
EP3129863 A1	20170215	EP20150719528	20150406
ID201707413 A	20170714	ID2016P0006718	20150406
IN201647033982 A	20161118	IN201647033982	20161004
JP2017517053 T2	20170622	JP20160560356T	20150406
KR20160145054 A	20161219	KR20167030459	20150406
MX2016013045 A1	20170109	MX201600013045	20150406
PH2016501885 A	20161219	PH20160501885	20160923
SG11201608086V A1	20161028	SG20161108086	20150406
TH165233 A	20170720	TH20161006106	20150406
TW201539256 A	20151016	TW20150107771	20150311
US2015293587 AA	20151015	US20140250280	20140410
US9342147 BB	20160517	US20140250280	20140410
WO15157133 A1	20151015	WO2015US24409	20150406

Priority:

US20140250280 20140410 WO2015US24409 20150406

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CAPACITIVE **GAZE TRACKING** FOR AUTO-ACCOMMODATION IN A CONTACT LENS

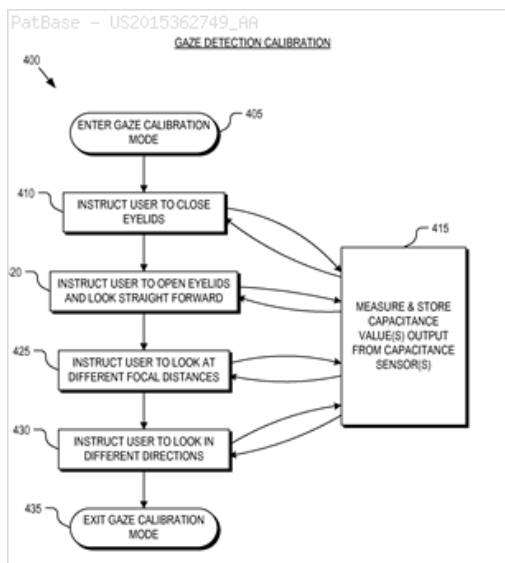
Abstract: Source: US2015362749A A method of capacitive gaze detection for accommodation includes monitoring at least one capacitance value of a capacitive sensor system disposed within a contact lens. The at least one capacitance value varies in response to changes in a gazing direction of a cornea upon which the contact lens is removeably mounted. The changes in the gazing direction of the cornea are detected in real-time based upon changes in the at least one capacitance value. An accommodation actuator disposed within the contact lens is manipulated to automatically change an optical power of the contact lens in response to detecting changes in the gazing direction.

Classifications:

International (IPC 8-9): A61B3/113 A61B5/00 A61F2/14 A61F9/00 B29C65/00 B29D11/00 B32B1/00 B32B3/30 B32B37/18 B32B38/00 B32B7/04 G02B27/00 G02B3/14 G02C11/00 G02C7/02 G02C7/04 G02C7/08 G02C9/00 G02F1/13 G02F1/1333 G02F1/1335 G02F1/1343 G05B19/048 G06F3/01 G06F3/0481 G06F3/0484 H02J50/10 H02J7/00 H02J7/02 H02N2/02 H04K1/00 H04L9/08 H04W12/04 (Advanced/Invention); B29L11/00 (Advanced/Non-invention)

CPC: G02C7/083 A61B3/113 G02C11/10 G06F3/013 G06F3/04842 B29L2011/0041 G02C2202/16 G02C2202/18 G02C7/048 B29D11/00817 G02C7/022 G02C7/024 G02C7/04 H02J7/025 H02J50/10 A61B5/6821 A61B2560/0204 G06F3/04812 G02C7/049 G09G2330/023 G02F1/133305 G02F1/13439 G02B27/0093 H04W12/04 G02C7/041 H04L9/0819 H04L2209/24 H04L2209/80

US: 1/1 156/292 264/1.7 349/13 351/159.03 351/159.4 351/159.73 351/209 351/210 351/246



Family:

Publication number	Publication date	Application number	Application date
AU2015275151 AA	20151217	AU20150275151	20150515
AU2015275151 BB	20170928	AU20150275151	20150515
AU2015275156 AA	20151217	AU20150275156	20150518
AU2015275156 BB	20180201	AU20150275156	20150518
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CN106461974 A	20170222	CN201580031770	20150612
EP3154481 A1	20170419	EP20150806273	20150518
EP3154481 A4	20180221	EP20150806273	20150518
EP3155474 A1	20170419	EP20150805825	20150515
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EP3155475 A1	20170419	EP20150806589	20150518
EP3155475 A4	20171227	EP20150806589	20150518
EP3155476 A1	20170419	EP20150806857	20150612
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EP3155477 A4	20180103	EP20150807226	20150518
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IN201647040758 A	20170526	IN201647040758	20161129
IN201647040759 A	20170526	IN201647040759	20161129
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US2015362755 AA	20151217	US20150737266	20150611
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US2016349536 AA	20161201	US20160237125	20160815
US2017293161 AA	20171012	US20170631815	20170623
US2018045980 AA	20180215	US20170797711	20171030
US9442310 BB	20160913	US20140587639	20141231
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US9854437 BA	20171226	US20150698471	20150428
US9880401 BB	20180130	US20150702528	20150501
WO15191240 A1	20151217	WO2015US31231	20150515
WO15191241 A1	20151217	WO2015US31232	20150515
WO15191242 A1	20151217	WO2015US31233	20150515
WO15191247 A1	20151217	WO2015US31415	20150518
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WO15191249 A1	20151217	WO2015US31420	20150518
WO15192079 A1	20151217	WO2015US35661	20150612
WO15192080 A1	20151217	WO2015US35663	20150612

Priority:

AU20150275151	20150515	AU20170279674	20171220	US20140012005P	20140613
US20140012033P	20140613	US20140012023P	20140613	US20140012017P	20140613
US20140587639	20141231	US20140587664	20141231	US20150694953	20150423
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WO2015US31420	20150518	WO2015US35661	20150612	WO2015US35663	20150612
WO2015US31418	20150518	US20170631815	20170623	US20170797711	20171030

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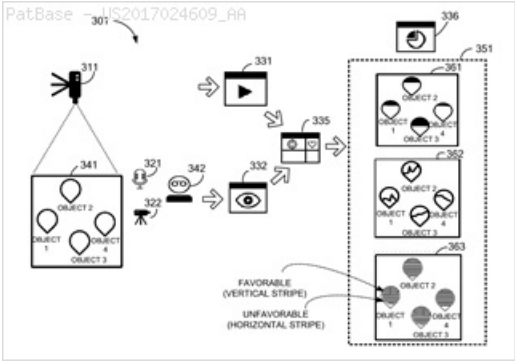
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Title: CALCULATION OF A CHARACTERISTIC OF A HOTSPOT IN AN EVENT

Abstract: Source: US2017024609A A computer characterizes an area of interest in an event attended by an audience by receiving behavior information for an audience attending the event and event activity information for one or more areas in the event venue. The computer analyzes the audience behavior and event activity to determine the areas in the event venue to which the audience pays attention. The computer determines the objects in the areas in the event venue and determines one or more areas of interest based on the areas in the event venue to which the audience pays attention and the objects in the areas in the event venue to which the audience pays attention. The computer calculates a characteristic of the areas of interest in the event based on: the areas of interest, the objects in the areas in the event venue, and the analyzed audience behavior information related to the areas of interest.

Classifications:

International (IPC 8-9): G06K9/00 G06K9/32
H04L29/08 (Advanced/Invention)
CPC: G06K9/00335 H04L67/22 G06K9/3233 G06K9/00604
G06K9/00778 H04L67/04 H04L67/18
US: 382/103



Family:

Publication number	Publication date	Application number	Application date
US2017024609 AA	20170126	US20150807909	20150724
US9852329 BB	20171226	US20150807909	20150724

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US20150807909 20150724

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Assignee(s): (std): IBM

Assignee(s): INT BUSINESS MACHINES CORP

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Agent(s): DAVID