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(12) **EX PARTE REEXAMINATION CERTIFICATE** (12796th)
United States Patent
Jacobs et al. (10) **Number:** **US 9,699,444 C1**
(45) **Certificate Issued:** **Dec. 11, 2024**

(54) **FASTER STATE TRANSITIONING FOR CONTINUOUS ADJUSTABLE 3DEEPS FILTER SPECTACLES USING MULTI-LAYERED VARIABLE TINT MATERIALS**

H04N 13/327 (2018.01)
H04N 13/332 (2018.01)
(Continued)

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Issued: **Jul. 4, 2017**
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(52) **U.S. Cl.**
CPC *H04N 13/334* (2018.05); *G02B 26/026* (2013.01); *G02B 27/017* (2013.01); *G02B 27/0172* (2013.01); *G02B 30/23* (2020.01); *G02B 30/24* (2020.01); *G02B 30/34* (2020.01); *G02B 30/40* (2020.01); *G02C 7/00* (2013.01); *G02C 7/101* (2013.01); *G02C 11/10* (2013.01); *H04N 13/144* (2018.05); *H04N 13/324* (2018.05); *H04N 13/327* (2018.05); *H04N 13/332* (2018.05); *H04N 13/337* (2018.05); *H04N 13/341* (2018.05); *H04N 13/359* (2018.05); *H04N 13/398* (2018.05); *G02B 2027/014* (2013.01); *H04N 2013/0077* (2013.01); *H04N 2013/0096* (2013.01); *H04N 13/261* (2018.05); *H04N 2213/002* (2013.01); *H04N 2213/008* (2013.01)

(58) **Field of Classification Search**

None
See application file for complete search history.

Related U.S. Application Data

(60) Continuation of application No. 14/850,750, filed on Sep. 10, 2015, now Pat. No. 9,426,452, which is a (Continued)

(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/015,245, please refer to the USPTO's Patent Electronic System.

Primary Examiner — Deandra M Hughes

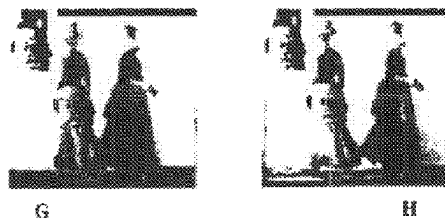
(51) **Int. Cl.**

H04N 13/334 (2018.01)
G02B 26/02 (2006.01)
G02B 27/01 (2006.01)
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G02B 30/24 (2020.01)
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G02C 7/10 (2006.01)
G02C 11/00 (2006.01)
H04N 13/144 (2018.01)
H04N 13/324 (2018.01)

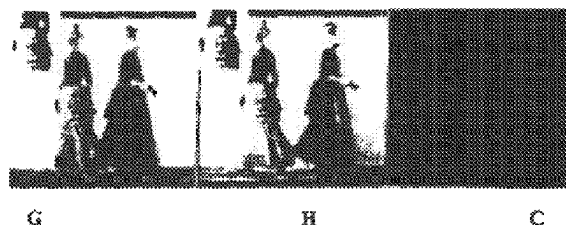
(57) **ABSTRACT**

An electrically controlled spectacle includes a spectacle frame and optoelectronic lenses housed in the frame. The lenses include a left lens and a right lens, each of the optoelectrical lenses having a plurality of states, wherein the state of the left lens is independent of the state of the right lens. The electrically controlled spectacle also includes a control unit housed in the frame, the control unit being adapted to control the state of each of the lenses independently.

INDIVIDUAL



SERIES



Related U.S. Application Data

continuation of application No. 14/451,048, filed on Aug. 4, 2014, now Pat. No. 9,167,235, which is a continuation of application No. 14/155,505, filed on Jan. 15, 2014, now Pat. No. 8,864,304, which is a continuation of application No. 13/746,393, filed on Jan. 22, 2013, now Pat. No. 8,657,438, which is a continuation of application No. 12/938,495, filed on Nov. 3, 2010, now abandoned, which is a division of application No. 12/555,545, filed on Sep. 8, 2009, now Pat. No. 7,850,304, which is a continuation-in-part of application No. 12/274,752, filed on Nov. 20, 2008, now Pat. No. 7,604,348, which is a continuation-in-part of application No. 11/928,152, filed on Oct. 30, 2007, now Pat. No. 7,508,485, which is a continuation-in-part of application No. 11/372,723, filed on Mar. 10, 2006, now Pat. No. 7,522,257, said

application No. 12/274,752 is a continuation-in-part of application No. 11/373,702, filed on Mar. 10, 2006, now Pat. No. 7,405,801, said application No. 11/372,723 is a continuation-in-part of application No. 10/054,607, filed on Jan. 22, 2002, now Pat. No. 7,030,902.

(60) Provisional application No. 60/664,369, filed on Mar. 23, 2005, provisional application No. 60/661,847, filed on Mar. 15, 2005, provisional application No. 60/263,498, filed on Jan. 23, 2001.

(51) **Int. Cl.**

<i>H04N 13/337</i>	(2018.01)
<i>H04N 13/341</i>	(2018.01)
<i>H04N 13/359</i>	(2018.01)
<i>H04N 13/398</i>	(2018.01)
<i>H04N 13/00</i>	(2018.01)
<i>H04N 13/261</i>	(2018.01)

**EX PARTE
REEXAMINATION CERTIFICATE**

THE PATENT IS HEREBY AMENDED AS
INDICATED BELOW. 5

AS A RESULT OF REEXAMINATION, IT HAS BEEN
DETERMINED THAT:

Claims **26-27** are cancelled. 10

Claims **1-25** were not reexamined.

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