

EXHIBIT 10



US010642576B2

(12) **United States Patent**
Chang et al.

(10) **Patent No.:** **US 10,642,576 B2**
(45) **Date of Patent:** **May 5, 2020**

(54) **MOBILE INFORMATION APPARATUS THAT INCLUDES WIRELESS COMMUNICATION CIRCUITRY FOR DISCOVERY OF AN OUTPUT DEVICE FOR OUTPUTTING DIGITAL CONTENT AT THE WIRELESSLY DISCOVERED OUTPUT DEVICE**

(58) **Field of Classification Search**
CPC G06F 3/167; G06F 3/041; G06F 3/0412; G06F 3/048; G06F 3/0482; G06F 3/0488; (Continued)

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(57) **ABSTRACT**

Information apparatus (e.g., a smart phone) for outputting digital content to an output device is herein disclosed and enabled. The information apparatus includes wireless communication circuitry for wirelessly discovering one or more output devices based, at least in part, on physical proximity and using short range wireless communication. Subsequent to having wirelessly discovered the output devices, the information apparatus receives device dependent attributes from the discovered output devices and provides, on a touch sensitive screen interface, at least an item related to the discovered output devices for selection. The device dependent attributes include information related to the discovered output devices. After the output device is selected, the information apparatus: generates output data from the digital content based, at least in part, on the device dependent

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **16/229,896**

(22) Filed: **Dec. 21, 2018**

(65) **Prior Publication Data**

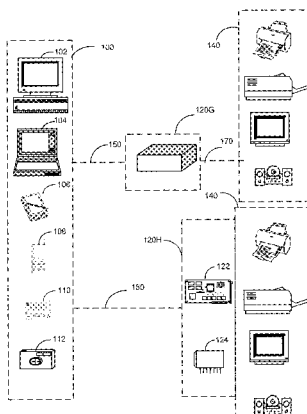
US 2019/0121613 A1 Apr. 25, 2019

Related U.S. Application Data

(63) Continuation of application No. 15/201,194, filed on Jul. 1, 2016, now Pat. No. 10,162,596, which is a
(Continued)

(51) **Int. Cl.**
G06F 15/16 (2006.01)
G06F 3/16 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **G06F 3/167** (2013.01); **G06F 3/041** (2013.01); **G06F 3/048** (2013.01); **G06F 3/0412** (2013.01);
(Continued)



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attributes, and wirelessly transmits the generated output data to the selected output device for rendering at least part of the digital content.

29 Claims, 13 Drawing Sheets

2012/2841; H04L 2012/2849; H04L
2012/285; H04M 1/2478; H04W 4/12;
H04W 64/003; H04W 88/02; H04W
76/10

USPC 709/204
See application file for complete search history.

Related U.S. Application Data

continuation of application No. 13/710,295, filed on Dec. 10, 2012, now Pat. No. 9,383,956, which is a continuation of application No. 12/903,048, filed on Oct. 12, 2010, now Pat. No. 8,332,521, which is a continuation of application No. 10/016,223, filed on Nov. 1, 2001, now Pat. No. 7,941,541.

(60) Provisional application No. 60/245,101, filed on Nov. 1, 2000.

(51) Int. Cl.

H04L 12/24 (2006.01)
G06Q 20/40 (2012.01)
G06Q 20/32 (2012.01)
G06F 3/12 (2006.01)
H04L 12/28 (2006.01)
H04M 1/247 (2006.01)
G06F 3/048 (2013.01)
H04W 4/12 (2009.01)
H04W 88/02 (2009.01)
G06F 3/041 (2006.01)
G06F 3/14 (2006.01)
G06F 3/0482 (2013.01)
G06F 3/0488 (2013.01)
H04W 64/00 (2009.01)
H04W 76/10 (2018.01)

(52) U.S. Cl.

CPC *G06F 3/0482* (2013.01); *G06F 3/0488* (2013.01); *G06F 3/12* (2013.01); *G06F 3/126* (2013.01); *G06F 3/1206* (2013.01); *G06F 3/1226* (2013.01); *G06F 3/1247* (2013.01); *G06F 3/1285* (2013.01); *G06F 3/1292* (2013.01); *G06F 3/14* (2013.01); *G06F 15/16* (2013.01); *G06Q 20/327* (2013.01); *G06Q 20/3224* (2013.01); *G06Q 20/3226* (2013.01); *G06Q 20/3278* (2013.01); *G06Q 20/405* (2013.01); *G06Q 20/4012* (2013.01); *G06Q 20/40145* (2013.01); *H04L 12/2805* (2013.01); *H04L 41/0803* (2013.01); *H04M 1/2478* (2013.01); *H04W 4/12* (2013.01); *H04W 64/003* (2013.01); *H04W 88/02* (2013.01); *G06Q 2220/00* (2013.01); *H04L 12/2809* (2013.01); *H04L 12/2838* (2013.01); *H04L 2012/285* (2013.01); *H04L 2012/2841* (2013.01); *H04L 2012/2849* (2013.01); *H04W 76/10* (2018.02)

(58) Field of Classification Search

CPC *G06F 3/12*; *G06F 3/1206*; *G06F 3/1226*; *G06F 3/1247*; *G06F 3/126*; *G06F 3/1285*; *G06F 3/1292*; *G06F 3/14*; *G06F 15/16*; *G06Q 20/3224*; *G06Q 20/3226*; *G06Q 20/327*; *G06Q 20/3278*; *G06Q 20/4012*; *G06Q 20/40145*; *G06Q 20/405*; *G06Q*

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