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**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) **Date of publication of the international search report:**  
19 November 2015

(54) **Title: KIOSK SYSTEM FOR DOWNLOADING MEDIA CONTENT**

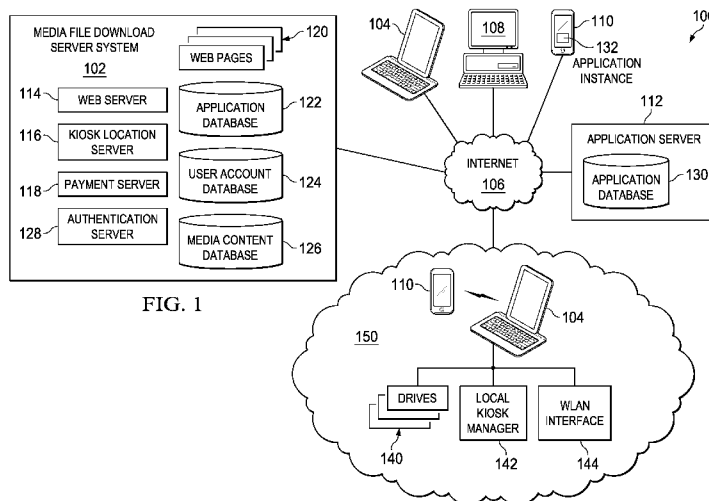
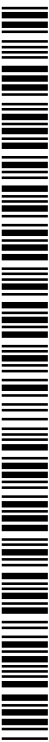


FIG. 1

(57) **Abstract:** A method, system, and apparatus, including a program encoded on computer-readable medium, for downloading media content files to mobile devices includes downloading media files from local storage on a kiosk to a mobile device over a high-speed wireless communication link using an application on the mobile device. A message can be sent to the mobile device to provide notification of a proximity of the device to a kiosk when a location of the device satisfies predetermined criteria associated with a location of the kiosk, and a download can be initiated after authenticating the device. In addition, a battery charging service for charging the mobile device can be authorized through a charging port of a charging station in response to detecting the installed application on the mobile device. A file can be downloaded from a particular solid state drive in accordance with a file system detected for the device.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US15/23426

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04L12/911;H04L 29/08; H04L12/805(2015.01)

CPC - G06F3/017; H04L67/10;H04W4/206

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8)-H04L12/911;H04L 29/08; H04L12/805(2015.01)

CPC-G06F3/017; H04L67/10;H04W4/206

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatSeer (US, EP, WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, INPADOC Data); Google Patent/Google Scholar; IP.com;IEEE.org; mobile, application, proximity, locat\*, content, kiosk, moble app, media, signal, input

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010/0057563 A1 (RAUBER, P et al.) March 04, 2010, paragraph [0050]-[0051], [0060]-[0070], [0078]-[0080]	1-12
Y	US 2013/0210461 A1 (MOLDAVSKY, D et al.) August 15, 2013, paragraphs [0030]-[0045]	1-12

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

07 August 2015 (07.08.2015)

Date of mailing of the international search report

**15 SEP 2015**

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US15/23426

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

- 1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
- 2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
- 3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fee must be paid.

Group I: Claims 1-12 are directed toward a method for location-based media download from a kiosk.

Group II: Claims 13-14 are directed toward a system for charging a mobile device at a kiosk.

Group III: Claims 15-20 are directed toward a method for downloading media at a kiosk via a port.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

---See Supplemental Page---

- 1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
- 2.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
- 3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
- 4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-12

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
  - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
  - No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT/US15/23426

-\*\*\*-Continued from Box III: Lack of Unity of Invention-\*\*\*-

The special technical features of Group I include detecting a location of a mobile device having an installed application, wherein the installed application is associated with a media download system; determining that the location satisfies predetermined criteria associated with a location of a download station of the media download system; sending a message to the mobile device, wherein the message is adapted to cause a notification to be displayed on the mobile device of a proximity of the mobile device to the download station; authenticating the mobile device with the media download system over a wireless local area network supported by the download station; and initiating a download of one or more media files from the download station to the mobile device in response to at least authenticating the mobile device, which are not present in Groups II and III.

The special technical features of Group II include a charging station including a plurality of charging ports adapted to charge batteries on mobile devices; and a charging server associated with the charging station, wherein the charging server is adapted to: confirm whether a mobile device in communication with the charging server has a predetermined application installed on the mobile device; receive an identification of one of the plurality of charging ports from the mobile device; and switch a charging rate on the identified charging port to a faster charging rate in response to confirming that the predetermined application is installed on the mobile device and receiving the identification of the charging port, which are not present in Groups I and III.

The special technical features of Group III include receiving a request to download selected media content from a download station to a user device; detecting a file system type for the user device after the user device is connected to a panel-mounted port of the download station; identifying one of a plurality of solid state drives storing a media content file corresponding to the selected media content, with each solid state drive connected to a processor of the download station via a transfer bus supporting transfer rates of at least four gigabits per second; transferring the media content file over the corresponding transfer bus to the processor; and transferring the media content file to the user device in accordance with the detected file system type for the user device, wherein the media content file is transferred using a bus connecting the processor to the panel-mounted port and the bus supports a transfer rate of at least three gigabits per second, which are not present in Groups I and II.

The common technical features shared by Groups I-III are downloading media content from a download station to a mobile device having an application; communicating between a download station and a mobile device; connecting a station to a mobile device via a port; and performing an operation between the download station and the mobile device at a rate.

However, these common features are previously disclosed by US 2001/0047441 A1 to Robertson, M (hereinafter 'Robertson'). Robertson discloses downloading media content from a download station to a mobile device having an application (a kiosk comprising a processing device 14 may transfer multimedia files to a portable user device device, which runs software, paragraphs [0028], [0033], and [0065]); communicating between a download station and a mobile device (kiosk and portable user device communicate, paragraph [0028], [0033], and [0042]); connecting a station to a mobile device via a port (user can connect a laptop to the kiosk via a USB port, paragraphs [0033] and [0041]); and performing an operation between the download station and the mobile device at a rate (USB communication between laptop and kiosk may be performed at rates up to 8 Mbps, paragraphs[0033] and [0041]).

Since the common technical features are previously disclosed by the Robertson reference, these common features are not special and so Groups I-III lack unity.