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(12) **United States Patent**  
**Barnes, Jr.**

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(54) **FACILITATING ENTRY INTO AN  
ACCESS-CONTROLLED LOCATION USING A  
MOBILE COMMUNICATION DEVICE**

(58) **Field of Classification Search**  
None  
See application file for complete search history.

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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 597 days.

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(65) **Prior Publication Data**

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**Related U.S. Application Data**

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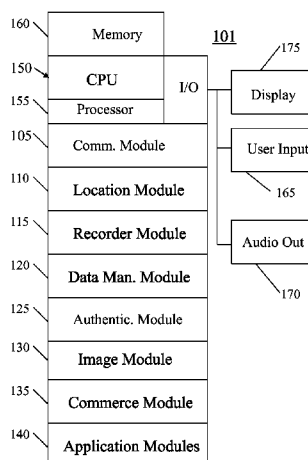
(57) **ABSTRACT**

(51) **Int. Cl.**  
**G05B 19/00** (2006.01)  
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(Continued)

Systems and methods facilitate entry into an access-con-  
trolled location using a mobile communication device. The  
method comprises receiving at the mobile communication  
device via a communication network an entry code that facili-  
tates access to the access-controlled location, storing the  
entry code in a memory associated with the mobile commu-  
nication device, and, in response to determining that the  
mobile communication device is within the predetermined  
distance of the access-controlled location, transmitting the  
entry code from the mobile communication device to an  
entry-control computer system, which determines whether  
the entry code is valid. The method may further comprise  
receiving at the mobile communication device an indication  
that the entry code is valid, and, in order to gain entry into the  
access-controlled location at an entrance to the access-con-  
trolled location, providing to the entry-control computer sys-  
tem via the mobile communication device the indication that  
the entry code is valid.

(52) **U.S. Cl.**  
CPC ..... **G06Q 30/0259** (2013.01); **G06Q 10/02**  
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**20/322** (2013.01); **G06Q 20/3224** (2013.01);  
**G06Q 30/02** (2013.01); **G06Q 30/0236**  
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**G06Q 30/08** (2013.01)

**18 Claims, 8 Drawing Sheets**



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