US 20170083048A1

(19) United States

(12) Patent Application Publication

DEGNER

(10) Pub. No.: US 2017/0083048 A1

(43) Pub. Date: Mar. 23, 2017

(54) ELECTRONIC ACCESSORY DEVICE

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventor: **Brett W. DEGNER**, Menlo Park, CA (US)

(21) Appl. No.: **15/271,177**

(22) Filed: **Sep. 20, 2016**

Related U.S. Application Data

(60) Provisional application No. 62/221,576, filed on Sep. 21, 2015.

Publication Classification

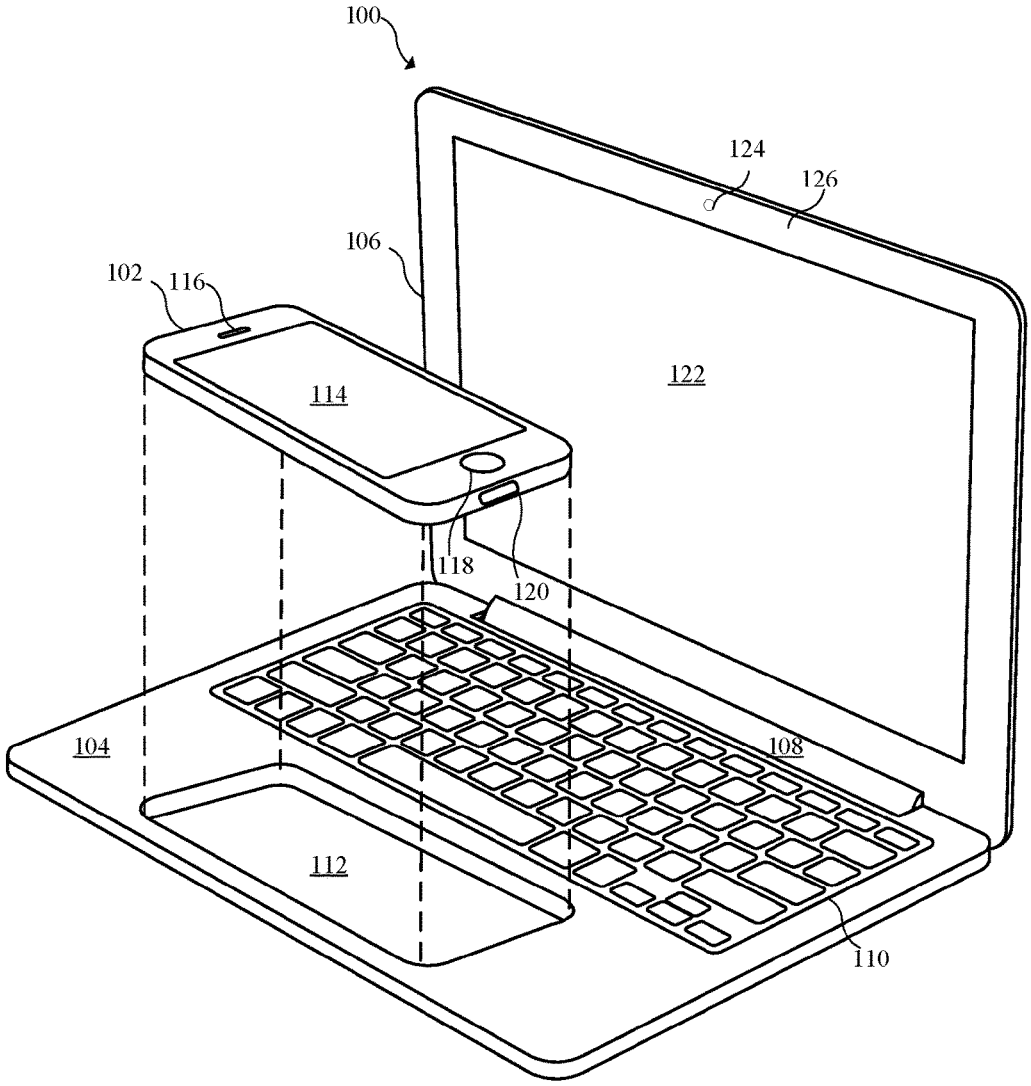
(51) **Int. Cl.**

G06F 1/16 (2006.01)

G06F 3/041 (2006.01)

(52) **U.S. Cl.**

CPC ***G06F 1/169*** (2013.01); ***G06F 1/1632*** (2013.01); ***G06F 1/1616*** (2013.01); ***G06F 3/0416*** (2013.01); ***G06F 1/1647*** (2013.01); ***G06F 1/1654*** (2013.01)

(57) **ABSTRACT**

The present application describes various embodiments of systems and methods for providing internal components for portable computing devices having a thin profile. More particularly, the present application describes an electronic accessory device available to extend and expand usefulness of a portable computing device.