

# EXHIBIT 7

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE INC.,  
Petitioner,

v.

MAXELL, LTD.,  
Patent Owner.

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IPR2020-00202  
Patent 10,212,586 B2

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Before MICHAEL R. ZECHER, KEVIN C. TROCK, and  
JOHN A. HUDALLA, *Administrative Patent Judges*.

TROCK, *Administrative Patent Judge*.

DECISION  
Granting Institution of *Inter Partes* Review  
35 U.S.C. § 314

Pet. 24–25 (quoting Ex. 1004 ¶ 93) (citing *cf.* Ex. 1001, 2:61–63 (“Examples of the short-range wireless communication include Bluetooth (trademark), infrared rays, and Wi-Fi Direct.”); Ex. 1003 ¶ 56).

Petitioner argues a person of ordinary skill in the art “would have understood that ‘short range-communications subsystem 340’ includes a transceiver at least because short-range communications subsystem 340 establishes wireless communication link 145, which transmits to and receives from computer 110.” Pet. 25 (citing Ex. 1004 ¶ 67; Ex. 1003 ¶ 56).

Patent Owner does not respond substantively to Petitioner’s arguments or evidence with respect to this limitation. *See* Prelim. Resp. 25–33.

Petitioner’s arguments are supported by the cited evidence. Petitioner’s declarant, Dr. Shoup, provides credible testimonial evidence that Kirkup’s short-range communication subsystem 340 is a short-range wireless communications transceiver. *See* Ex. 1003 ¶ 56. Based on this preliminary record, we are persuaded that Petitioner has demonstrated sufficiently that Kirkup teaches the recited limitation.

*[1b] a memory which previously stores information about an another mobile terminal*

Petitioner argues that Kirkup teaches the recited “memory” because Kirkup describes various embodiments, such as a smartcard, a SIM, or non-volatile memory, which are used to store a user’s authentication code.

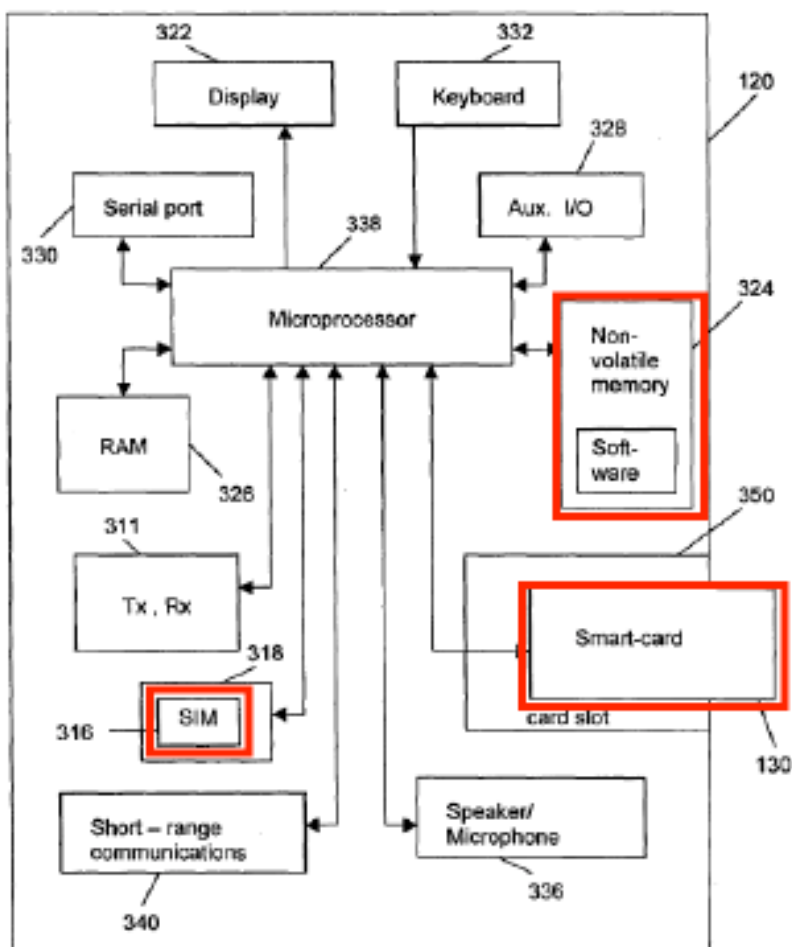
Petitioner points to Kirkup’s explanation where

wireless communication link 145 enables a user to approach PC 110, activate the PC 110 and have it communicate automatically and wirelessly, for example using the Bluetooth short-range communication specification, with handheld electronic device 120 to access the user's authentication code

(stored on the smart-card, SIM card or memory of the handheld electronic device) and authenticate the user.

Pet. 26 (quoting Ex. 1004 ¶ 68) (citing Ex. 1004 ¶¶ 87, 89–90, 94).

Petitioner’s annotated Figure 3 of Kirkup is shown below. Pet. 26.



Petitioner’s annotated Figure 3 of Kirkup, above, shows a block diagram of handheld electronic device 120 with smart-card 130, SIM 316, and non-volatile memory 324. Pet. 26; *see also* Ex. 1004, Fig. 3, ¶¶ 39, 84, 87, 89, 94.

Petitioner agrees Kirkup’s memory “previously stores” a user’s authentication code. Pet. 26–27. Petitioner points out that Kirkup explains, “[i]f the entered authentication code is correct, the handheld electronic

device 120 then provides the **authentication code for the PC 110 (as extracted from smart-card 130)** across communication link 115, thereby authenticating the user and unlocking the desktop of PC 110.” *Id.* (quoting Ex. 1004 ¶ 52); (citing Ex. 1003 ¶¶ 52, 57).

Petitioner also argues that Kirkup’s PC 110 may be the recited “another mobile terminal,” such as another handheld electronic device like handheld electronic device 120, because, according to Kirkup:

PC 110 may be of any kind of computer, such as a normal desktop computer, laptop or other portable or fixed computer system which may require authentication of the user identity prior to enabling use thereof. Accordingly, while the computer is described as a PC 110, it should be understood that it need not be a personal computer or be of a particular type.

Pet. 27 (quoting Ex. 1004 ¶ 47) (emphasis omitted).

Patent Owner does not respond substantively to Petitioner’s arguments or evidence with respect to this limitation. *See* Prelim. Resp. 25–33.

Petitioner’s arguments are supported by the cited evidence.

Petitioner’s declarant, Dr. Shoup, provides credible testimonial evidence that Kirkup’s smart-card 130, SIM 318, and non-volatile memory 324, are forms of memory that can store information, such as an authentication code, about another mobile terminal, such as PC 110. *See* Ex. 1003 ¶ 57. Based on this preliminary record, we are persuaded that Petitioner has demonstrated sufficiently that Kirkup teaches the recited limitation.

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