

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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MOTOROLA MOBILITY LLC  
Petitioner

v.

ARNOUSE DIGITAL DEVICES CORPORATION and  
MICHAEL ARNOUSE  
Exclusive Licensee and Patent Owner

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Case IPR2013-00010  
Patent 7,516,484

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Before MICHAEL P. TIERNEY, JONI Y. CHANG and  
WILLIAM V. SAINDON, *Administrative Patent Judges*.

CHANG, *Administrative Patent Judge*.

FINAL WRITTEN DECISION  
*35 U.S.C. § 318(a) and 37 C.F.R. § 42.73*

## INTRODUCTION

On October 2, 2012, Motorola Mobility LLC (“Motorola”) filed a petition requesting an *inter partes* review of U.S. Patent No. 7,516,484 (“the ’484 patent”). Paper 2 (“Pet.”). Arnouse Digital Devices Corporation and Michael Arnouse (collectively “ADDC”) filed a patent owner preliminary response. Paper 14 (“Prelim. Resp.”). Taking into account ADDC’s preliminary response, the Board determined that the information presented in Motorola’s petition demonstrated that there was a reasonable likelihood that Motorola would prevail with respect to at least one challenged claim. Pursuant to 35 U.S.C. § 314, the Board instituted this trial on February 12, 2013, as to claims 1, 3, 7, 15, 16, 18, and 20 of the ’484 patent. Paper 21 (“Dec.”).

During the trial, ADDC filed a patent owner response (Paper 33, “PO Resp.”), and Motorola filed a reply (Paper 39, “Reply”). No oral hearing was held. Paper 43.

The Board has jurisdiction under 35 U.S.C. § 6(c). This decision is a final written decision under 35 U.S.C. § 318(a) as to the patentability of the involved claims. We hold that claims 1, 3, 7, 15, 16, 18, and 20 of the ’484 patent are unpatentable under 35 U.S.C. § 102.

### *A. Related Proceedings*

Motorola indicates that the ’484 patent is the subject of litigation styled *Arnouse Digital Devices Corp. v. Motorola Mobility, Inc.*, No. 5:11-cv-00155-cr (D. Vt.). Pet. 2.

*B. The '484 Patent*

The '484 patent describes a reader adapted for a portable computer. Ex. 1001, Abs. According to the '484 patent, when the reader and portable computer are connected together, the combined system becomes a fully functional personal computer. *Id.* By itself, without connecting to the portable computer, the reader is a non-functioning “shell” that includes at least one input device and at least one output device, such as a keyboard and a display. *Id.* A user cannot interact with the portable computer without the reader. *Id.*

Figure 4, reproduced below, shows an embodiment of the '484 patent.

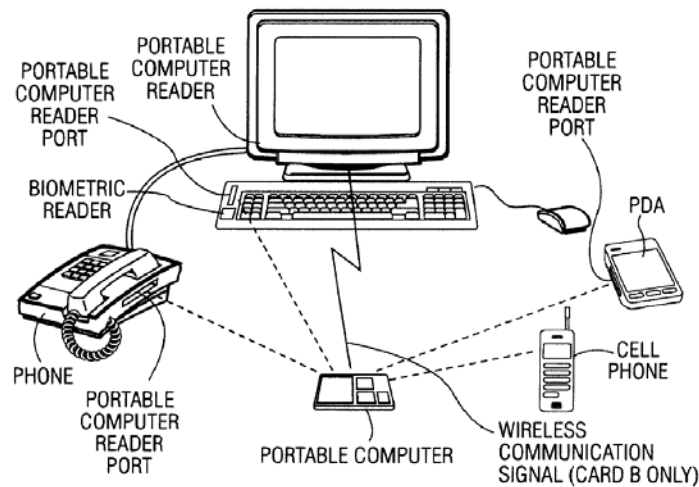


FIG. 4

Figure 4 illustrates a portable computer and a plurality of readers.

As shown in Figure 4, a plurality of readers may be located at various locations so that a user may use the portable computer in those remote locations. *Id.* at 6:59-7:6. The main function of the readers is to allow a user to interact with the portable computer. *Id.*

*C. Exemplary Claim*

Of the involved claims, claims 1 and 15 are the only independent claims. Claims 3 and 7 depend from claim 1, and claims 16, 18, and 20 depend from claim 15. Claim 15 is exemplary of the claimed subject matter of the '484 patent, and is reproduced below (emphasis added):

15. A computing system comprising:  
at least one *portable computer*, each comprising:  
storage; and  
at least one connector for connecting to at least one reader;  
at least one *reader*, each comprising:  
an input device;  
an output device; and  
a connector for connecting to the at least one portable computer,  
wherein the portable computer excludes means for a user to interact directly with the portable computer,  
wherein the reader and portable computer are configured to become a fully functioning computer when connected,  
wherein the readers are configured so that they will not operate with a computer other than a portable computer of the system, and  
wherein the reader is configured to be a non-functioning shell when not connected to the portable computer.

*D. Prior Art Relied Upon*

Motorola relies upon the following prior art references:

Kobayashi	US 5,463,742	Oct. 31, 1995	(Ex. 1003)
Nelson	US 5,436,857	July 25, 1995	(Ex. 1004)
Jenkins	US 6,029,183	Feb. 22, 2000	(Ex. 1005)
Warren	US 6,999,792 B2	Feb. 14, 2006	(Ex. 1006)

*E. Grounds of Unpatentability*

The Board instituted the instant trial based on the following grounds of unpatentability:

<b>Claims</b>	<b>Basis</b>	<b>References</b>
1, 3, 7, 15, 16, 18, and 20	§ 102(b)	Kobayashi
1, 3, 7, 15, 16, 18, and 20	§ 102(b)	Nelson

ANALYSIS

*A. Claim Construction*

In an *inter partes* review, claim terms in an unexpired patent are given their broadest reasonable construction in light of the specification of the patent in which they appear. 37 C.F.R. § 42.100(b). Under the broadest reasonable construction standard, claim terms are given their ordinary and customary meaning as would be understood by one of ordinary skill in the art in the context of the entire disclosure. *In re Translogic Tech. Inc.*, 504 F.3d 1249, 1257 (Fed. Cir. 2007).

1. “*connector for connecting*”

The phrase “connector for connecting” appears in claims 1 and 15. For example, claim 15 recites “at least one portable computer, each comprising . . . at least one connector for connecting to at least one reader” and “at least one reader, each comprising . . . a connector for connecting to the at least one portable computer.” Essentially, the claim phrase “connector for connection” is recited in two claim limitations: (1) a *portable computer*

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