

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor: Hulst et al.	§	Attorney Docket No.:
United States Patent No.: 7,334,720	§	104677-5008-803
Formerly Application No.: 11/336,758	§	Customer No. 28120
Issue Date: February 26, 2008	§	
Filing Date: January 19, 2006	§	Petitioner: Apple Inc.
Former Group Art Unit: 2876	§	
Former Examiner: Steven S. Paik	§	

For: Data Storage and Access Systems

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Patent Trial and Appeal Board  
United States Patent and Trademark Office  
Post Office Box 1450  
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**DECLARATION OF MICHAEL P. DUFFEY IN SUPPORT OF PETITION  
FOR COVERED BUSINESS METHOD PATENT REVIEW OF  
UNITED STATES PATENT NO. 7,334,720  
PURSUANT TO 35 U.S.C. § 321, 37 C.F.R. § 42.304**

I, Michael P. Duffey, make the following Declaration pursuant to 28 U.S.C. §  
1746:

1. I am a Litigation Paralegal Specialist at the law firm of Ropes & Gray  
LLP.

2. I provide this Declaration in connection with the above-identified  
Covered Business Method Patent Review proceeding that is being requested at the  
United States Patent and Trademark Office by Apple Inc. under 35 U.S.C. § 321, 37  
C.F.R. § 42.304. Unless otherwise stated, the facts stated in this Declaration are based  
on my personal knowledge.

3. Exhibit 1001 hereto is a true and correct copy of United States Patent No. 7,334,720 to Hermen-ard Hulst and Patrick Sander Racz, which I downloaded on January 31, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

4. Exhibit 1002 hereto is a true and correct copy of Plaintiffs' First Amended Complaint for Patent Infringement, filed in *Smartflash LLC, et al. v. Apple Inc., et al.*, Civil Action No. 6:13-cv-447, before the District Court of the Eastern District of Texas, which I downloaded on February 24, 2014 from the Public Access to Court Electronic Records ("PACER") website and is a record of the aforementioned District Court (Dkt. No. 72) to which all parties have access. The Amended Complaint contains markings at the top of each page indicating the PACER filing information. An exhibit label on the first page and page numbers on all pages have been added to the bottom of this document but no other alterations have been made.

5. Exhibit 1003 hereto is a true and correct copy of the file history for United States Patent No. 8,118,221 to Patrick Racz and Hermen-ard Hulst, which I downloaded on January 29, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first

page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

6. Exhibit 1004 hereto is a true and correct copy of the file history for United States Patent No. 8,336,772 to Patrick Racz and Hermen-ard Hulst, which I downloaded on January 29, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

7. Exhibit 1005 hereto is a true and correct copy of United States Patent No. 5,675,734 to Arthur R. Hair, which I downloaded on February 3, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

8. Exhibit 1006 hereto is a true and correct copy of United States Patent No. 4,999,806 to Fred Chernow and Randy J. Peterson, which I downloaded on February 3, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

9. Exhibit 1007 hereto is a true and correct copy of United States Patent No. 4,878,245 to Graham C. Bradley, Alton O. Stretten, John P. Stretten, and Rex B. Wentzel, which I downloaded on February 3, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

10. Exhibit 1008 hereto is a true and correct copy of United States Patent No. 5,754,654 to Masaaki Hiroya and Hiroshi Asao, which I downloaded on March 12, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

11. Exhibit 1009 hereto is a true and correct copy of the file history for United States Patent No. 7,334,720 to Hermen-ard Hulst and Patrick Sander Racz, which I downloaded on January 29, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

12. Exhibit 1012 hereto is a true and correct copy of United States Patent No. 5,103,392 to Ryoichi Mori, which I downloaded on March 10, 2014 from the

USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

13. Exhibit 1013 hereto is a true and correct copy of United States Patent No. 5,530,235 to Mark J. Stefik, Daniel G. Bobrow, Stuart K. Card, Michalene M. Casey, Richard J. Goldstein, Michael G. Lamming, Jock D. Mackinlay, Roy Want, George G. Robertson, Mark D. Weiser, and Daniel M. Russell, which I downloaded on February 24, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

14. Exhibit 1014 hereto is a true and correct copy of United States Patent No. 5,629,980 to Mark J. Stefik and Michalene M. Casey, which I downloaded on February 24, 2014 from the USPTO PAIR website and which is a record of the USPTO to which all parties have access. An exhibit label on the first page and pages numbers on all pages have been added to the bottom of this document but no other alterations have been made.

15. Exhibit 1015 hereto is a true and correct copy of United States Patent No. 5,915,019 to Karl L. Ginter, Victor H. Shear, Francis J. Spahn, and David M. Van Wie, which I downloaded on February 24, 2014 from the USPTO PAIR website and

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