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U.S. PTO

PTO/SB/05 (05-05)

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 080379-000100US  
First Inventor Hulst, Hermen-ard  
Title DATA STORAGE AND ACCESS SYSTEMS  
Express Mail Label No. EV 383391336 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 61]  
Both the claims and abstract must start on a new page  
*(For information on the preferred arrangement, see MPEP 608.01(a))*
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 17]
5. Oath or Declaration [Total Sheets 2]  
a.  Newly executed (original or copy)  
b.  A copy from a prior application (37 CFR 1.63 (d))  
*(for a continuation/divisional with Box 18 completed)*  
i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  
 Landscape Table on CD
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, items a. - c. are required)*  
a. Computer Readable Form (CRF)  
i.  Computer Readable Form (CRF)  
ii.  Transfer Request (37 CFR 1.821(e))  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies); or  
ii.  Paper  
c.  Statements verifying identity of above copies

- ### ACCOMPANYING APPLICATION PARTS
9.  Assignment Papers (cover sheet & document(s))  
Name of Assignee Smart-Flash Limited
  10.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
  11.  English Translation Document *(if applicable)*
  12.  Information Disclosure Statement (PTO/SB/08 or PTO-1449)  
 Copies of foreign patent documents, publications, & other information
  13.  Preliminary Amendment
  14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
  15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
  16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
  17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:  
 Continuation  Divisional  Continuation-in-part (CIP) of prior application No: 10/111,716  
Prior application information: Examiner S. Paik Art Unit: 2876

### 19. CORRESPONDENCE ADDRESS

The address associated with Customer Number: 20350 OR  Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Email Address	

Signature		Date	01/19/06
Name (Print/Type)	Kevin T. LeMond	Registration No. (Attorney/Agent)	35,933

60682954 v1

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2006

Complete if Known

Application Number	
Filing Date	January 19, 2006
First Named Inventor	Hulst, Hernen-ard
Examiner Name	
Art Unit	
Attorney Docket No.	080379-000100US

 Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$) 2950

**METHOD OF PAYMENT** (check all that apply)

 Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

 Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

 Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

 Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

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**FEE CALCULATION**
**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	
Utility	300	150	500	250	200	100	500
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
74	-20 or HP = 54	x \$25	= \$1,350			

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
14	-3 or HP = 11	x \$100	= \$1,100

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).


Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/ 50 =	(round up to a whole number) x	=

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	35,933	Telephone	415-576-0200
Name (Print/Type)	Kevin T. LeMond			Date	01/19/06

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17224  
U.S. PTO

PTO/SB/05 (05-05)

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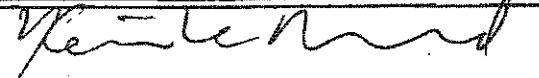
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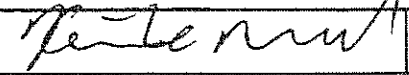
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**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 35,933	Telephone 415-576-0200
Name (Print/Type)	Kevin T. LeMond		Date 01/19/06

60683003 v1

### DATA STORAGE AND ACCESS SYSTEMS

This invention is generally concerned with data storage and access systems. More particularly, it relates to a portable data carrier for storing and paying for data and to computer systems for providing access to data to be stored. The invention also includes corresponding methods and computer programs. The invention is particularly useful for managing stored audio and video data, but may also be applied to storage and access of text and software, including games, as well as other types of data.

One problem associated with the increasingly wide use of the internet is the growing prevalence of so-called data pirates. Such pirates obtain data either by unauthorised or legitimate means and then make this data available essentially world-wide over the internet without authorisation. Data can be a very valuable commodity, but once it has been published on the Internet it is difficult to police access to and use of it by Internet users who may not even realise that it is pirated. This is a particular problem with audio recordings, and, once the bandwidth becomes available, is also likely to be evident with video.

Over the past three or four years compressed audio sources have become increasingly widely available on web pages. One widely used audio data compression format is MP3 (MPEG3) which is an internationally defined standard including a definition of compressed audio information such as speech or music. It relies on psycho-acoustic properties of human hearing to achieve very large data compression factors. It is thus feasible to download usefully long passages of music in a practically convenient short time. Pirate data suppliers have not been slow to realise the potential of this and many unauthorised websites have sprung up offering popular music including recent releases by world famous bands. This has caused the recording industry considerable concern and there is an urgent need to find a way to address the problem of data piracy.



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