17224

011906

U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

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

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

11/336758

011906

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

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

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

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:
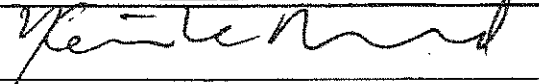   ☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 10/111,716
   Prior application Information: Examiner S. Paik   Art Unit: 2876

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, Hermen-ard
☒ Applicant claims small entity status. See 37 CFR 1.27	Examiner Name	
	Art Unit	
TOTAL AMOUNT OF PAYMENT ($) 2950	Attorney Docket No.	080379-000100US

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 Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
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	
74 -20 or HP =	54	x $25 =	$1,350	Fee ($)	Fee Paid ($)

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

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
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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)   Fees Paid ($)

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

Other: _____   _____

SUBMITTED BY

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

60683003 v1

UTILITY PATENT APPLICATION TRANSMITTAL

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

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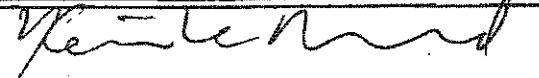   ☒ Continuation   ☐ Divisional   ☐ Continuation-in-part (CIP)   of prior application No: __10/111,716__

   Prior application information: Examiner _S. Palk_   Art Unit: _2876_

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

60682954 v1

17224
011906

11294 U.S. PTO
11/336738

011906

FEE TRANSMITTAL
For FY 2006

Effective on 12/08/2004.
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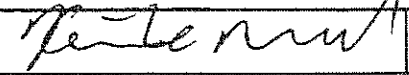
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Other: _____   _____

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.

Once 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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