

17224

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 |

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:** _____

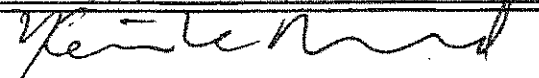
18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

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, 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 (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity 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 (\$) |
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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).


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|--------------|--------------|--|--------------------------------|---------------|
| | - 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 |

60683003 v1

011906
17224
U.S. PTO

PTO/SB/05 (05-05)

| | | |
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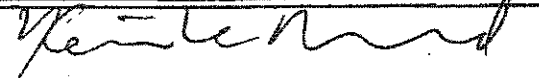
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| Name (Print/Type) | Kevin T. LeMond | Registration No. (Attorney/Agent) | 35,933 |

60682954 v1

Effective on 12/09/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4618).

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| Examiner Name | |
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| 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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