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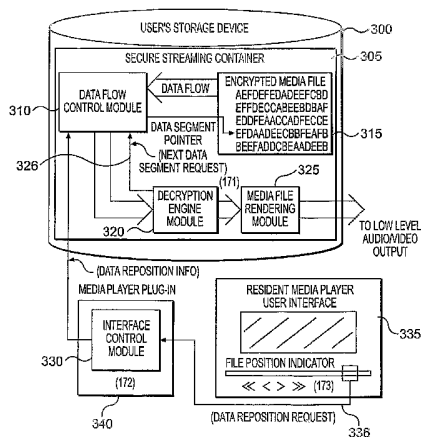
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- (74) Agent: CHERRY, Randall, H.; McGuireWoods LLP, 1750 Tysons Boulevard, Suite 1800, McLean, VA 22102 (US).
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[Continued on next page]

(54) Title: SECURE STREAMING CONTAINER



(57) Abstract: A system and method for securely streaming encrypted digital media content out of a digital container to a user's media player (335). This streaming occurs after the digital container has been delivered to the user's machine and after the user has been authorized to access the encrypted content. The user's operating system and media player (335) treat the data stream as if it were a being delivered over the Internet (or other network) from a streaming web server. However, no Internet connection is required after the container has been delivered to the user and the data stream suffers no quality loss due to network traffic or web server access problems. In this process of the invention, the encrypted content files are decrypted and fed to the user's media player (335) in real time and are never written to the user's hard drive or storage device (300). This process makes unauthorized copying of the digital content contained in the digital container virtually impossible.

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1 December 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/07438

<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  IPC(7) : G 06F 11/30, 17/60; H04L 9/00, 9/32                  US CL : 713/150, 168, 175, 176, 182-186, 189, 193, 194, 200-20; 705/50-59; 709/223-229; 380/36, 37, 255, 269                  According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p><b>B. FIELDS SEARCHED</b>                  Minimum documentation searched (classification system followed by classification symbols)                  U.S. : 713/150, 168, 175, 176, 182-186, 189, 193, 194, 200-20; 705/50-59; 709/223-229; 380/36, 37, 255, 269</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  Please See Continuation Sheet</p>																	
<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6,226,618 B1 (DOWNS et al) 01 May 2001 (01.05.2001), see entire document.</td> <td>1-17,25-36,58-87,95-106</td> </tr> <tr> <td>---</td> <td></td> <td>-----</td> </tr> <tr> <td>Y</td> <td></td> <td>18-24,88-94</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,226,618 B1 (DOWNS et al) 01 May 2001 (01.05.2001), see entire document.	1-17,25-36,58-87,95-106	---		-----	Y		18-24,88-94			
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C.      <input type="checkbox"/> See patent family annex.</p>																	
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed		
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"P" document published prior to the international filing date but later than the priority date claimed																	
Date of the actual completion of the international search 06 August 2005 (06.08.2005)		Date of mailing of the international search report 26 AUG 2005															
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer <i>Michelle L. Cooser</i> Ayaz Sheikh Telephone No. 703-305-3900															

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07438

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
  4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-36 and 58-106
- Remark on Protest  The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07438

## BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-36 and 58-106, drawn to creation of a secured streaming container.

Group II, claims 37-57 and 107-132, drawn to accessing portions/segments of a secured streaming container.

The International Searching authority considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2, and 13.3) for the reasons indicated below:

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Invention I involves the creation of a secured streaming container through use of encryption and invention II is directed towards accessing portions/segments of a secured streaming container while the other remaining portions/segments remain secure.

## Continuation of B. FIELDS SEARCHED Item 3:

BRS (files: USPAT, DERWENT, JPO, EPO, IBM TDB, US PGPUB, USOCR)

search terms: secure, secured, securing, security, digital, encrypt, encryption, encrypted, encrypting, container, stream, streamed, streaming, right, protect, protected, protecting, license, licensed, licensing, copyright, software, data, content, program, application, usage, use, rule, right, permission, privilege, acl, player, playback, device, module