

- 13.** The method of claim 9, further comprising:  
removing the requested header from the data stream; and  
associating the stored header with the data stream;  
storing the data stream with the associated stored header  
on a mass storage device associated with the cache  
server.
- 14.** The method of claim 9, wherein the first format is  
RTSP format.
- 15.** The method of claim 9, wherein the second format is  
MMS format.
- 16.** The method of claim 9, further comprising:  
responsive to the receiving of the request for a data stream  
in the first format from the client system, identifying a  
version of a media player application associated with  
the request; and  
if the version of the media player application associated  
with the request is an impermissible version, reporting  
a failure to the client system.
- 17.** A method to transmit streaming media, the method  
comprising:  
receiving a request for a data stream in a first format from  
a client system;  
responsive to a failure to locate the data stream stored by  
a cache server, retrieving the data stream from an origin  
server in the first format;  
serving the located data stream to the client system in the  
first format;  
converting a header associated with the data stream to a  
second format header, the second format header being  
associated with the second format; and  
storing the data stream with the associated stored header  
on a mass storage device associated with the cache  
server.
- 18.** The method of claim 17, wherein the locating of the  
data stream stored by the cache server comprises:  
performing a lookup utilizing a lookup key associated  
with the second format.
- 19.** The method of claim 18, wherein the locating of the  
data stream stored by the cache server further comprises:  
generating the lookup key associated with the second  
format utilizing information associated with the  
request.
- 20.** The method of claim 17, wherein the first format is  
RTSP format.
- 21.** The method of claim 17, wherein the second format is  
MMS format.
- 22.** An apparatus to transmit streaming media, the appa-  
ratus comprising:  
means for receiving a request for a data stream in a first  
format from a client system; and  
means for locating the data stream stored by a cache  
server in a second format,  
means for serving the located data stream to the client  
system in the first format.
- 23.** A machine-readable medium having stored thereon  
data representing sets of instructions which, when executed  
by a machine, cause the machine to:  
receive a request for a data stream in a first format from  
a client system;  
locate the data stream stored by a cache server in a second  
format; and  
serve the located data stream to the client system in the  
first format.

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