

Amendments To The Claims

Cancel claim 1.

Cancel claim 9.

Cancel claim 10.

Cancel claim 11.

Cancel claim 14.

Cancel claim 15.

Claim 17 (New). A method comprising:

receiving a receiver report from a terminal;

estimating one or more network conditions of a media network using the receiver report;

determining an optimal session bitrate using the estimated one or more network conditions, wherein determining the optimal session bitrate further comprises:

determining stability criterion using the estimated one or more network conditions, wherein determining stability criterion includes at least one of:

(i) comparing a media time in transit and a round trip time estimate; and

(ii) comparing a bitrate received with a current bitrate session;

determining the stability of the media network; and

providing to an encoder the optimal session bitrate based at least in part on the media-network-stability determination;

encoding media data according to the optimal session bitrate; and

providing media data to the terminal according to the optimal session bitrate.

Claim 18 (New). A system comprising:

a terminal, having a media player, configured to provide a receiver report; and

an adaptive bitrate manager configured to:

receive the receiver report,

estimate one or more network conditions using the receiver report,

determine stability criterion using the estimated one or more network conditions,
wherein determine stability criterion includes at least one of:

(i) comparing a media time in transit and a round trip estimate, and

(ii) comparing a bitrate received with a current bitrate session,

determine the stability of the media network,

determine an optimal session bitrate based at least in part on the media-network-
stability determination,

encode media data according to the optimal session bitrate, and

provide media data to the terminal according to the optimal session bitrate.

Claim 19 (New). A non-transitory computer readable storage medium storing instruction
that, when executed by a computer, cause the computer to perform a method for processing a
receiver report, the method comprising:

receiving the receiver report from a terminal;

estimating one or more network conditions of a media network using the receiver report;

determining stability criterion, wherein determining stability criterion comprises at least
one of:

(i) comparing a media time in transit and a round trip time estimate; and

(ii) comparing a bitrate received with a current bitrate session;

determining the stability of the media network using the determined stability criterion;

controlling a session bitrate based at least in part on the media-network-stability
determination;

encoding media data according to the session bitrate; and

providing the session bitrate to an encoder for transmitting media data according to the
provided session bitrate.