Docket #: S09-258

Streaming to Mobile Clients Using Distributed Video Transcoding in Peer-to-Peer network

This invention offers a cost-effective solution to streaming video to mobile users. A prototype has been implemented in software, demonstrating its low operational cost based on peer-to-peer technology and its robustness to peer failure.

Applications

- Real-time video streaming to mobile users: content service providers can offer users a live TV program on their mobile phones at a lower cost than operating media servers.
- Mobile chat application: when in use with live recording at a mobile client, mobile users can chat with other users

Advantages

- Low cost by using inexpensive P2P streaming systems
- No need for video player modification at a mobile device
- Distributed overhead of computation (video transcoding) among peers in the P2P network
- Less video disruption when a peer serving mobile client disconnects

Patents

- Published Application: 20110274155
- Issued: 9,621,930 (USA)

Innovators

- Bernd Girod
- Jeonghun Noh
- Mina Makar
- Frank Hartung
- Jatinder Pal Singh

Licensing Contact

Imelda Oropeza

Senior Licensing Manager, Physical Sciences

Email