

IPR ANALYTICS

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PATENTABILITY SEARCH REPORT

Title: providing group interaction via communications networks Submitted

to:

Address:

Email:

Client Reference No:

Date: 6th JUL 2016

Features to Search

E1: A system for communicating between **members of a group** is disclosed which includes a communications interface transmitting **at least one of voice, video and text communications from an originating member** to at least one destination member within a virtual group.

E2: The **graphical communication flow module** graphically **depicts to each member of the virtual group the originator** and target of different types of communication (text, voice or iconic) occurring simultaneously within the virtual group.

E3: The simultaneous access window allows virtual group members to engage in “real-life” group activities (like viewing a video, reviewing a document, or participating in training exercises) while at the same time **transmitting, receiving, and viewing communications occurring between computer users connected to the virtual group.**

Search Strategy

Database: AcclaimIP, USPTO, Patentscope, Espacenet, Google Patents.

Keywords:

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Set1	Communication interface, interface module
Set2	Communication, video, voice, text communications, multimedia audio and video interaction
Set3	Transmitting, receiving, transfer,
Set 4	Virtual group

US CLASSIFICATION CODES WITH DEFINITIONS:

726/26 PREVENTION OF UNAUTHORIZED USE OF DATA INCLUDING PREVENTION OF PIRACY,
PRIVACY VIOLATIONS, OR UNAUTHORIZED DATA MODIFICATION

709/207 Priority based messaging

INTERNATIONAL CLASSIFICATION CODES WITH DEFINITIONS:

H04L9/00 Arrangements for secret or secure communication

G06F15/16 Combinations of two or more digital computers each having at least an
arithmetic unit, a programme unit and a register, e.g. for a simultaneous
processing of several programmes

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Search Results Reference

1:

Patent/Publication Number: [US7406596](#)

Title: Data transfer and management system

Assignee/Applicant: Herbert Street Technologies

Filing Date: 12 Mar 2001

Priority Date: 10 Mar 2000

Also Published as: US2003177422, AT433245, AU4099501, CA2402307, EP1293077, WO0167705

Relevant Excerpt for E1

IN CLAIMS:

1.A file transfer encryption and transfer module (FTE) residing on the user's computer, providing selection and transfer of files and messages to destinations including destinations on the

server, on other computers connected to the network and to outside computers via email based on a local mirroring of part of the data and structure of the DMM onto the user's computer, said FTE also providing selective encryption/decryption of files and messages with passwords exclusively associated and shared with different users, destinations or origins of the file or message, as the user moves the file to a new location so that the file is encrypted/decrypted by a password associated with and shared between the user and the new destination or origin;

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Relevant Excerpt for E2	<u>IN CLAIMS:</u> 15. A system according to claim 14, wherein the DMM supports secure remote administration of the system including the functions of stopping/running the module, viewing and checking the working parameters , adding or removing users, and changing a user's options.
Relevant Excerpt for E3	<u>IN SUMMARY:</u> Col. 4, lines 56-60 The file transfer in accordance with the invention operates basically in real time, where one can “see” the data being transferred and know when it has reached its destination. Therefore, the data almost always gets there faster than transfer by e-mail or http.

Reference 2:

Patent/Publication Number: [US7844664](#)

Title: Group based communication method, system and client

Assignee/Applicant: Huawei Technologies Co., Ltd., Tencent Technology (Shenzhen) Company Ltd.

Filing Date: 9 Jun 2006

Priority Date: 9 Jun 2005

Also Published as: US2008195706, BRPI0611941, CN1878072, CN100463405, WO2006131079

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Relevant Excerpt for E1	<p><u>IN DESCRIPTION:</u></p> <p>Col. 7, lines 11-23</p> <p>The communication type selection unit 314 packs a different protocol type according to the choice of the communication initiating user, e.g., plain text communication, file transmission or audio/video communication, generates a connection request in the type of short connection or long connection and sends the connection request to the backstage server 400 through the communication transmission unit 315. When the user chooses to transmit a file or enter into video and audio interaction, the communication type selection unit 314 instructs the long connection unit 316 to load and open a corresponding network port and wait for the connection with members that want to communicate.</p>
Relevant Excerpt for E2	Not Disclosed
Relevant Excerpt for E3	<p><u>IN DESCRIPTION:</u></p> <p>Col. 4, lines 56-67</p> <p>Step S230: the first client packs a protocol type according to the choice of the communication initiating user, (e.g., choosing plain text-based communication, file transmission or video and audio</p>

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	<p>interaction), generates a connection request corresponding to the packed protocol type and containing an identifier of the communication recipient user and group identifier, and sends the connection request to a backstage server. When the user chooses plain text-based communication, the type of the connection request is short connection; when the user chooses to transmit a file or enter into video and audio interaction, the type of the connection request is long connection.</p>
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