IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Daniel J. Lin	§	Confirmation No.: 4705
	§	
	§	Group Art Unit: 2617
Serial No.: 12/832,576	§	
	§	Examiner: Liton Miah
Filed: July 8, 2010	§	
	§	
For: PEER-TO-PEER MOBILE DATA TRANSFER METHOD AND DEVICE	§	

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION DATE SEPTEMBER 27, 2010

Dear Sir:

In response to the Office Action dated September 27, 2010, please enter this response and reconsider the claims pending in the application for reasons discussed below. The Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/LIN/0002.C2/FDK for any fees required to make this response timely and acceptable to the Office.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper. **Remarks** begin on page 7 of this paper.

IN THE CLAIMS:

The following listing of the claims replaces all prior versions of the claims in the application.

1.-29. (Cancelled).

30. (New) A method of establishing a direct data transfer session between mobile devices that support a data packet-based communications service over a digital mobile network system, the method comprising:

opening a listening software port on an initiating mobile device to receive communications through the data packet-based communications service;

transmitting an invitation message to a target mobile device through a page-mode messaging service, wherein the invitation message comprises a network address associated with the initiating mobile device, and wherein the target mobile device is located by providing a unique identifier to the page-mode messaging service;

receiving a response from the target mobile device at the listening software port on the initiating wireless device; and

establishing a data transfer session through the data packet-based communications service between the initiating mobile device and the target mobile device, wherein the data transfer session is established in a peer-to-peer fashion without a server intermediating communications through the established data transfer session between the initiating mobile device and the target mobile device.

31. (New) The method of claim 30 further comprising:

opening a second listening software port on the initiating mobile device to receive invitation messages through the page-mode messaging service;

receiving, at the second listening software port and through the page-mode messaging service, a message from another mobile device inviting the initiating mobile device to establish a data transfer session, wherein such message comprises a network address associated with the other mobile device; and

transmitting a response to the network address associated with the other mobile device, wherein the response acknowledges the ability to establish a data transfer session.

32. (New) The method of claim 30, wherein the network address of the initiating mobile device is an IP address.

33. (New) The method of claim 30, wherein the page-mode messaging service is SMS.

34. (New) The method of claim 30, wherein the page-mode messaging service is a PIN-to-PIN messaging service.

35. (New) The method of claim 30, wherein the unique identifier is a telephone number.

36. (New) The method of claim 30, wherein the data transfer session utilizes a TCP connection.

37. (New) A mobile device enabled to establish a direct data transfer session with other mobile devices in a digital mobile network system, the mobile device comprising a processor configured to perform the steps of:

opening a listening software port on an initiating mobile device to receive communications through the data packet-based communications service;

transmitting an invitation message to a target mobile device through a page-mode messaging service, wherein the invitation message comprises a network address associated with the initiating mobile device, and wherein the target mobile device is located by providing a unique identifier to the page-mode messaging service;

receiving a response from the target mobile device at the listening software port on the initiating wireless device; and

establishing a data transfer session through the data packet-based communications service between the initiating mobile device and the target mobile

device, wherein the data transfer session is established in a peer-to-peer fashion without a server intermediating communications through the established data transfer session between the initiating mobile device and the target mobile device.

38. (New) The mobile device of claim 37, wherein the processor is further configured to perform the steps of:

opening a second listening software port on the initiating mobile device to receive invitation messages through the page-mode messaging service;

receiving, at the second listening software port and through the page-mode messaging service, a message from another mobile device inviting the initiating mobile device to establish a data transfer session, wherein such message comprises a network address associated with the other mobile device; and

transmitting a response to the network address associated with the other mobile device, wherein the response acknowledges the ability to establish a data transfer session.

39. (New) The mobile device of claim 37, wherein the network address of the initiating mobile device is an IP address.

40. (New) The mobile device of claim 37, wherein the page-mode messaging service is SMS.

41. (New) The mobile device of claim 37, wherein the page-mode messaging service is a PIN-to-PIN messaging service.

42. (New) The mobile device of claim 37, wherein the unique identifier is a telephone number.

43. (New) The mobile device of claim 37, wherein the data transfer session utilizes a TCP connection.

44. (New) A non-transitory computer-readable storage medium including instructions that, when executed on a processor of a mobile device that supports a data packet-based communications service over a digital mobile network system, causes the processor to establish a direct data transfer session by performing the steps of:

opening a listening software port on an initiating mobile device to receive communications through the data packet-based communications service;

transmitting an invitation message to a target mobile device through a page-mode messaging service, wherein the invitation message comprises a network address associated with the initiating mobile device, and wherein the target mobile device is located by providing a unique identifier to the page-mode messaging service;

receiving a response from the target mobile device at the listening software port on the initiating wireless device; and

establishing a data transfer session through the data packet-based communications service between the initiating mobile device and the target mobile device, wherein the data transfer session is established in a peer-to-peer fashion without a server intermediating communications through the established data transfer session between the initiating mobile device and the target mobile device.

45. (New) The non-transitory computer-readable storage medium of claim 44, further including instructions that cause the processor to perform the steps of:

opening a second listening software port on the initiating mobile device to receive invitation messages through the page-mode messaging service;

receiving, at the second listening software port and through the page-mode messaging service, a message from another mobile device inviting the initiating mobile device to establish a data transfer session, wherein such message comprises a network address associated with the other mobile device; and

transmitting a response to the network address associated with other mobile device, wherein the response acknowledges the ability to establish a data transfer session.

46. (New) The non-transitory computer-readable storage medium of claim 44, wherein the network address of the initiating mobile device is an IP address.

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