

# EXHIBIT 1

**Differences Between '606 Patent, Claim 1 and Allegedly Representative Claims Analyzed in NDCA by**

The following table provides a comparison of claim 1 of U.S. Patent 10,218,606 (“the '606 Patent”) against six allegedly representative claims analyzed by Judge Koh in *Voip-Pal.Com, Inc. v. Apple Inc.*, 375 F. Supp. 3d 1110 (N.D. Cal. 2019)) and 411 F. Supp. 3d 926 (N.D. Cal. 2019).

- A. '606 Patent, Claim 1 vs. '815 Patent, Claim 1 (see 375 F. Supp. 3d 1110 (N.D. Cal. 2019) at pp.6-7)
- B. '606 Patent, Claim 1 vs. '005 Patent, Claim 74 (see 375 F. Supp. 3d 1110 (N.D. Cal. 2019) at pp.7-8)
- C. '606 Patent, Claim 1 vs. '002 Patent, Claim 1 (see 411 F. Supp. 3d 926 (N.D. Cal. 2019) at pp.19-23)
- D. '606 Patent, Claim 1 vs. '002 Patent, Claim 26 (see 411 F. Supp. 3d 926 (N.D. Cal. 2019) at pp.27-29)
- E. '606 Patent, Claim 1 vs. '549 Patent, Claim 9 (see 411 F. Supp. 3d 926 (N.D. Cal. 2019) at pp.23-27)
- F. '606 Patent, Claim 1 vs. '762 Patent, Claim 21 (see 411 F. Supp. 3d 926 (N.D. Cal. 2019) at pp.29-31)

N.B.: Red represents elements in the '606 patent claims that are not present in the allegedly representative claims.

Yellow represent elements in the allegedly representative claims that are not present in the '606 patent claims.

Claim elements which do not appear to correspond to anything in the claim being compared are labeled as “[n/a]”

A. U.S. Patent 10,218,606, Claim 1 (see '606 Patent at 37:30-38:4)	A. Comparison with Allegedly Representative Patent 8,542,815 (“the '815 Patent”) (see '815 Patent at 1:1-1:10)
1. A method for routing communications in a packet switched communication system between a first participant device associated with a first participant and a second participant device associated with a second participant, <b>the first and second participant devices being associated with first and second network elements of the communication system, respectively</b> , the method comprising:	1. A process for operating a call routing control system for routing communication between callers and callees in a plurality of nodes with which callers and callees are associated, the process comprising:
receiving, by at least one processor, a second participant identifier associated with the second participant device, in response to initiation of a communication from the first participant device to the second	in response to initiation of a call by a calling subscriber, receiving a caller identifier and a callee identifier;

participant device, the first participant device being associated with a first participant identifier;	
causing the at least one processor to access at least one memory storing a first participant profile identifying at least one first participant attribute;	locating a caller dialing profile comprising a user identifier of the caller and a plurality of calling attributes associated with the caller;
processing the second participant identifier and the at least one first participant attribute, using the at least one processor, to produce a new second participant identifier based on at least one match between the second participant identifier and the at least one first participant attribute;	determining a match when at least one of said caller attributes matches a portion of said callee identifier;
processing the new second participant identifier, using the at least one processor, to determine whether the second network element is the same as the first network element;	classifying the call as a public network call when said match meets public network classification criteria and classifying the call as a private network call when said match meets private network classification criteria;
when the second network element is determined to be the same as the first network element, producing a routing message identifying a first network address associated with the first network element, using the at least one processor; and	when the call is classified as a private network call, producing a private network routing message for receipt by a gateway of a private network routing message identifying an address of a private network, associated with the callee;
when the second network element is determined not to be the same as the first network element, producing a routing message identifying a second network address associated with the second network element, using the at least one processor;	when the call is classified as a public network call, producing a public network routing message for receipt by the call center of a public network routing message identifying a gateway of a public network;
wherein the packet switched communication system attempts to establish the communication from the first participant device to the second participant device based on at least one network address identified in the routing message.	[n/a]
<b>B. U.S. Patent 10,218,606, Claim 1 (see '606 Patent at 37:30-38:4)</b>	<b>B. Comparison with Allegedly Representative U.S. Patent 9,179,005 ("the '005 Patent") (see '005 Patent at 3:1-3:10)</b>

<p>1. A method for routing communications in a packet switched communication system between a first participant device associated with a first participant and a second participant device associated with a second participant, <b>the first and second participant devices being associated with first and second network elements of the communication system, respectively</b>, the method comprising:</p>	<p>74. A method of routing communications in a packet switched network in which a first participant identifier is associated with a first participant and a second participant identifier is associated with a second participant in a communication, the method comprising:</p>
<p>receiving, by at least one processor, a second participant identifier associated with the second participant device, in response to initiation of a communication from the first participant device to the second participant device, the first participant device being associated with a first participant identifier;</p>	<p>after the first participant has accessed the packet switched network, initiate the communication,</p>
<p>causing the at least one processor to access at least one memory storing a first participant profile identifying at least one first participant attribute;</p>	<p>using the first participant identifier to locate a first participant profile comprising a plurality of attributes associated with the first participant;</p>
<p><b>processing the second participant identifier and the at least one first participant attribute, using the at least one processor, to produce a new second participant identifier based on at least one match between the second participant identifier and the at least one first participant attribute;</b></p>	<p>[n/a]</p>
<p><b>processing the new second participant identifier, using the at least one processor, to determine whether the second network element is the same as the first network element;</b></p>	<p>[n/a]</p>
<p><b>when the second network element is determined to be the same as the first network element, producing a routing message identifying a first network address associated with the first network element, using the at least one processor; and</b></p>	<p><b>when at least one of the first participant attributes of the second participant identifier meet a first network address criterion, producing a first network routing message identifying a first network address in a first portion of the packet switched network, the first network address being associated with the second participant, the first network address being controlled by an entity; and</b></p>
<p><b>when the second network element is determined not to be the same as the first network element, producing a routing message identifying a first network address associated with the first network element, using the at least one processor; and</b></p>	<p><b>when at least one of the first participant attributes of the second participant identifier meet a second network address criterion, producing a second network routing message identifying a second network address in a second portion of the packet switched network, the second network address being associated with the second participant, the second network address being controlled by an entity; and</b></p>

<p>second network address associated with the second network element, using the at least one processor;</p>	<p>classification criterion, producing a second network for receipt by the controller, the second network identifying an address in a second portion of the network, the second portion not controlled by th</p>
<p>wherein the packet switched communication system attempts to establish the communication from the first participant device to the second participant device based on at least one network address identified in the routing message.</p>	<p>[n/a]</p>
<p><b>C. U.S. Patent 10,218,606, Claim 1 (see '606 Patent at 37:30-38:4)</b></p>	<p><b>C. Comparison with Allegedly Representative Patent 9,826,002 (“the ’002 Patent”) (see ‘002 38:2)</b></p>
<p>1. A method for routing communications in a packet switched communication system between a first participant device associated with a first participant and a second participant device associated with a second participant, the first and second participant devices being associated with first and second network elements of the communication system, respectively, the method comprising:</p>	<p>1. A method of routing a communication in a co system between an Internet-connected first parti associated with a first participant and a second p associated with a second participant, the method comprising:</p>
<p>receiving, by at least one processor, a second participant identifier associated with the second participant device, in response to initiation of a communication from the first participant device to the second participant device, the first participant device being associated with a first participant identifier;</p>	<p>in response to initiation of the communication b device, receiving, by a controller comprising at over an Internet protocol (IP) network a first par a second participant identifier, the second partic associated with the second participant device;</p>
<p>causing the at least one processor to access at least one memory storing a first participant profile identifying at least one first participant attribute;</p>	<p>causing the at least one processor to access a da profiles, using the first participant identifier, each associating a respective plurality of attributes w locate a plurality of first participant attributes;</p>
<p>processing the second participant identifier and the at least one first participant attribute, using the at least one processor, to produce a new second participant identifier based on at least one match between the second participant identifier and the at least one first participant attribute;</p>	<p>processing the second participant identifier, usin processor, based on at least one of the plurality of attributes obtained from a user profile for the fir produce a new second participant identifier;</p>

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