

# EXHIBIT 1



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(54) **PRODUCING ROUTING MESSAGES FOR VOICE OVER IP COMMUNICATIONS**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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This patent is subject to a terminal disclaimer.

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**Related U.S. Application Data**

(63) Continuation of application No. 15/730,600, filed on Oct. 11, 2017, now Pat. No. 9,935,872, which is a (Continued)

(57) **ABSTRACT**

(51) **Int. Cl.**  
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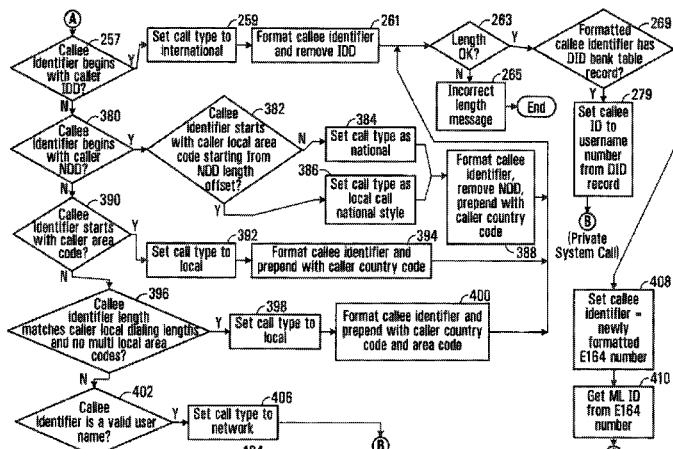
(52) **U.S. Cl.**  
CPC .... *H04L 45/3065* (2013.01); *A61K 39/39558* (2013.01); *A61K 45/06* (2013.01); (Continued)

(58) **Field of Classification Search**

None  
See application file for complete search history.

A process and apparatus to facilitate communication between callers and callees in a system comprising a plurality of nodes with which callers and callees are associated is disclosed. In response to initiation of a call by a calling subscriber, a caller identifier and a callee identifier are received. Call classification criteria associated with the caller identifier are used to classify the call as a public network call or a private network call. A routing message identifying an address, on the private network, associated with the callee is produced when the call is classified as a private network call and a routing message identifying a gateway to the public network is produced when the call is classified as a public network call.

**49 Claims, 32 Drawing Sheets**



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continuation of application No. 15/396,344, filed on Dec. 30, 2016, now Pat. No. 9,813,330, which is a continuation of application No. 14/877,570, filed on Oct. 7, 2015, now Pat. No. 9,537,762, which is a continuation of application No. 13/966,096, filed on Aug. 13, 2013, now Pat. No. 9,179,005, which is a continuation of application No. 12/513,147, filed as application No. PCT/CA2007/001956 on Nov. 1, 2007, now Pat. No. 8,542,815.

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(51) **Int. Cl.**

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- H04M 3/42* (2006.01)
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- A61K 45/06* (2006.01)
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