

EMERGENCY SERVICES FOR VOICE OVER IP TELEPHONY (E-VoIP)

Patent Application # 11/500,135 filed by
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Chad Corporation

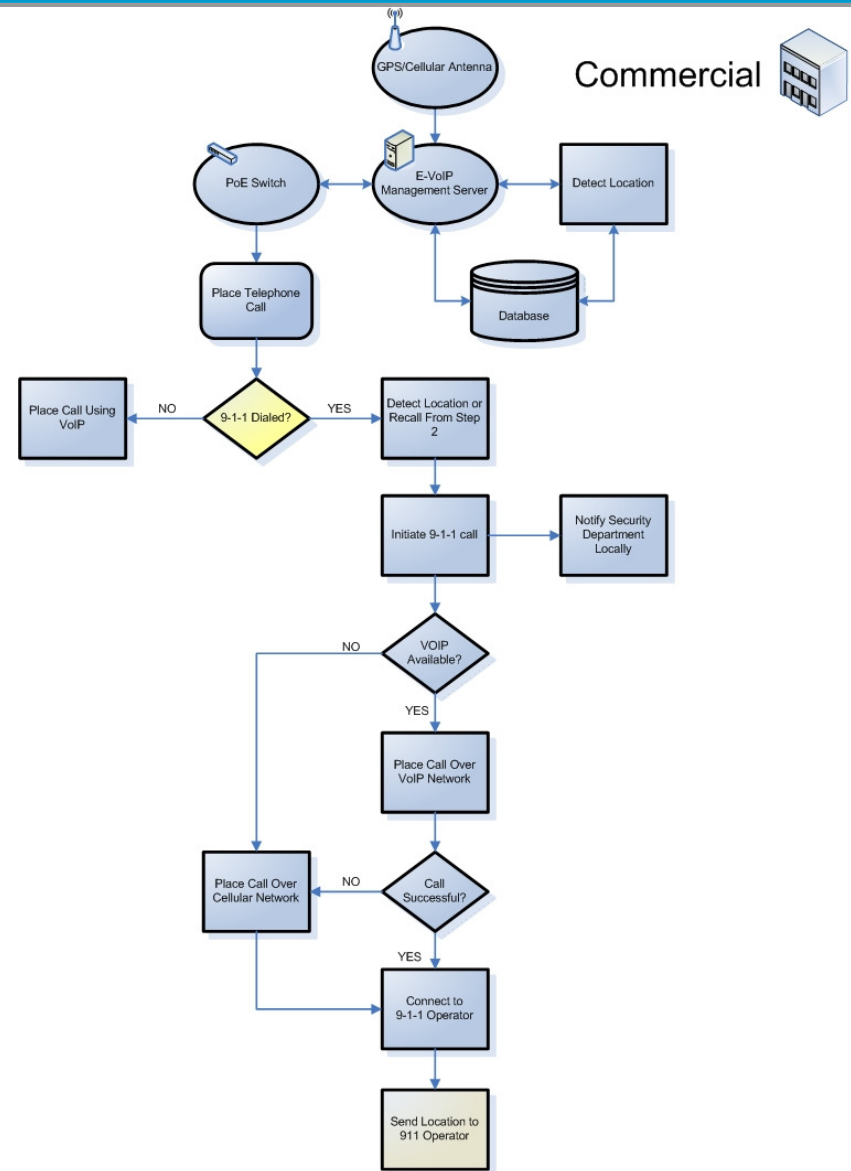
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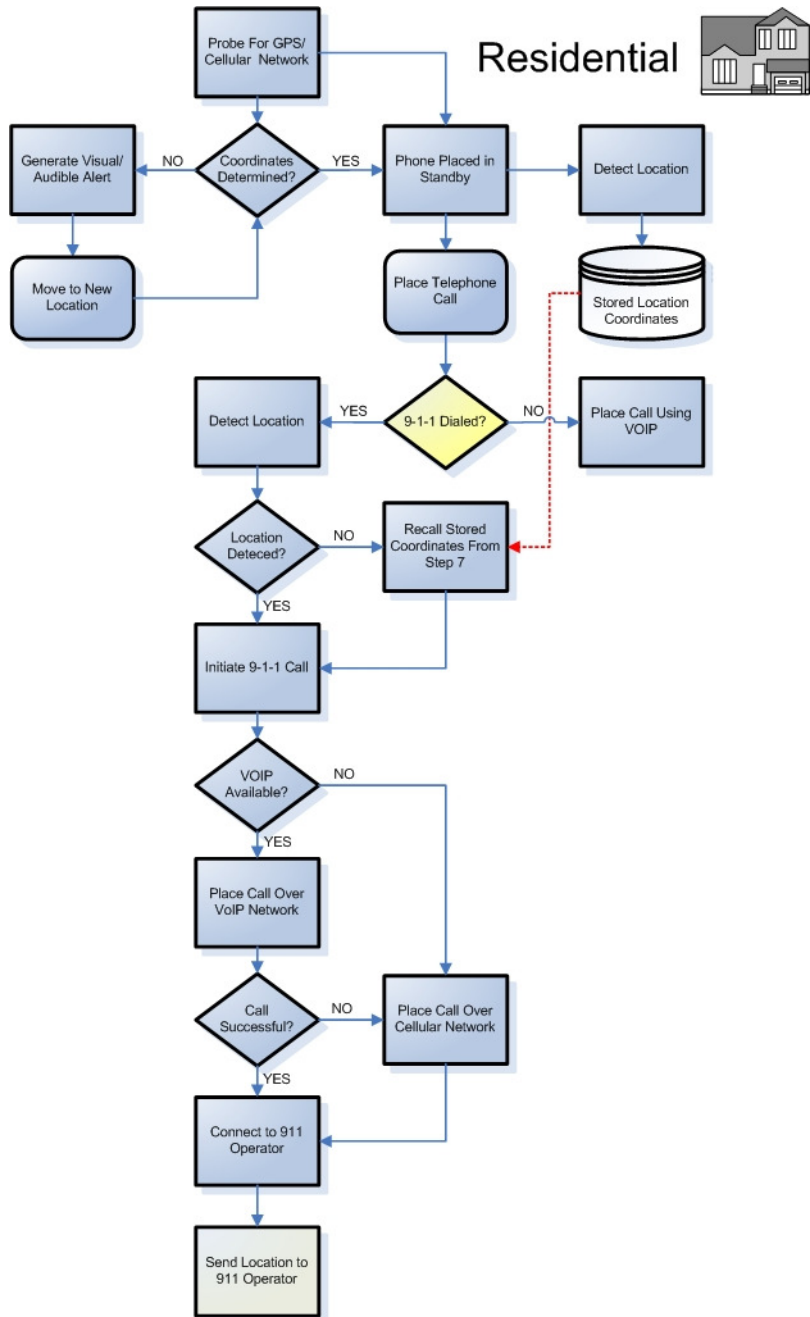
Patent Highlights:

- Physical Location Coordinates of Caller
- Configurable Hardware Path (Medium Selection) Prioritization
- Redundant Location Coordination Detection
- Be Mobile / Be Safe
- No manual registering of home address
- Supports mobile IP Telephony devices in real-time
- Commercial and Residential Support
- Advanced Caller ID Metadata (user's health, specific interior locations, etc.)
- Audible and Visual Service Alert Notifications
- Upgrade Existing non-Compliant VoIP Phones
- Integration with Legacy (POTS) Systems
- Seamless to caller

Patent Description:

This invention provides for the ability of a VoIP Telephony device (Handset) to systematically isolate the most reliable connection medium to connect with the 911 Emergency Call Center. Once the device creates the connection, the information regarding the user's location (obtained via geographical coordinates) and any additional metadata will be sent. An in-line module will support non-compliant devices for companies not wishing to upgrade their current infrastructure. Our patent solution will allow new products the ability to integrate with various mediums such as cellular, GPS, 802.11a/b/g, VoIP, POTS, etc. to obtain caller information and to place Emergency Calls for the purpose of Emergency Services.





Patent Components:

The E-VoIP solution can be separated into multiple components or modules:

- 1 Embedded into a client VoIP communications device (e.g. VoIP Phone Handset) the ability to obtain geographical coordinates of a device by means of GPS or cellular technologies.
- 2 The device will have the ability to notify an end user that communications to the 911 Emergency Call Center is available and if the device is successful or not in retrieving the current location coordinates.
- 3 The device will detect a caller dialing the 911 digits for Emergency Services and forward/route that call with the most current geographical coordinate and other ancillary information using the most reliable medium. The "Most Reliable" medium will be a pre-determined algorithm that will route via a preferred network first, if the attempt is unsuccessful, it will try the next best available network based on the algorithm, and so on.
- 4 For IP phones that are not currently enabled to utilize this technology, an intermediary (Inline) module will be created to acquire the appropriate geographical coordinates before the 911 call is made to the Call Center.
- 5 A site-wide gateway for commercial or industrial use can be used for densely populated locations and offices. This device will also embed the intelligence to determine the best method – POTS, Internet or Cellular – of connecting a caller dialing 911 from within a commercial facility to Emergency services.

About Us:

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