

# Architecture of the E911 System

## ② Local Switch

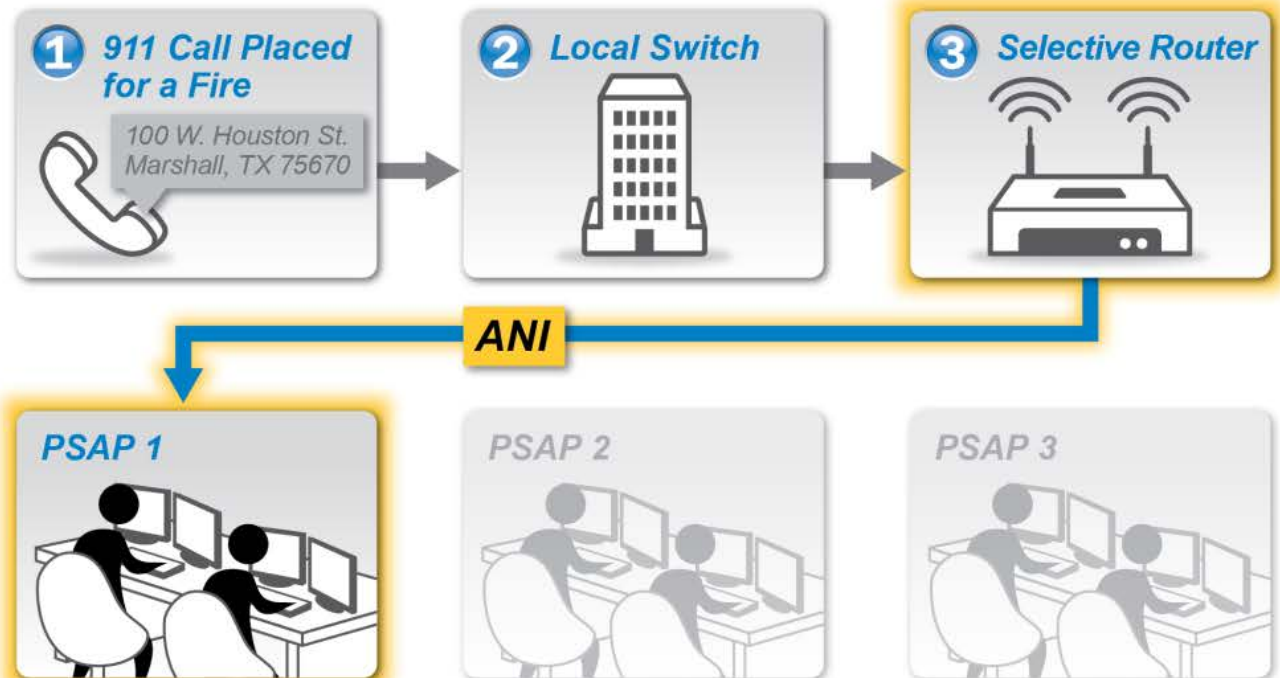
Local Switch delivers caller's number or **Automatic Number Identification (ANI)** to the **Selective Router (SR)** using trunk lines.



# Architecture of the E911 System

## ③ Selective Router

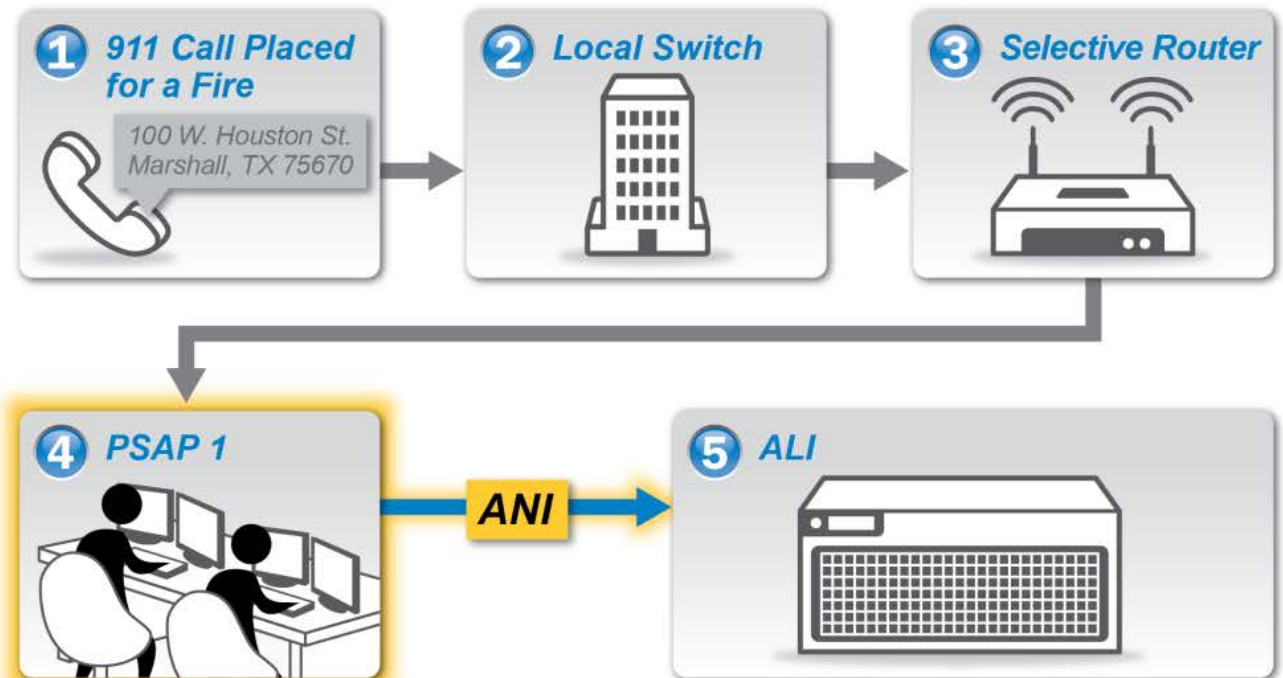
Selective Router translates the ANI and forwards the call to the closest **Public Safety Answering Point (PSAP)** based upon the Caller's **ANI information**.



# Architecture of the E911 System

## ④ PSAP

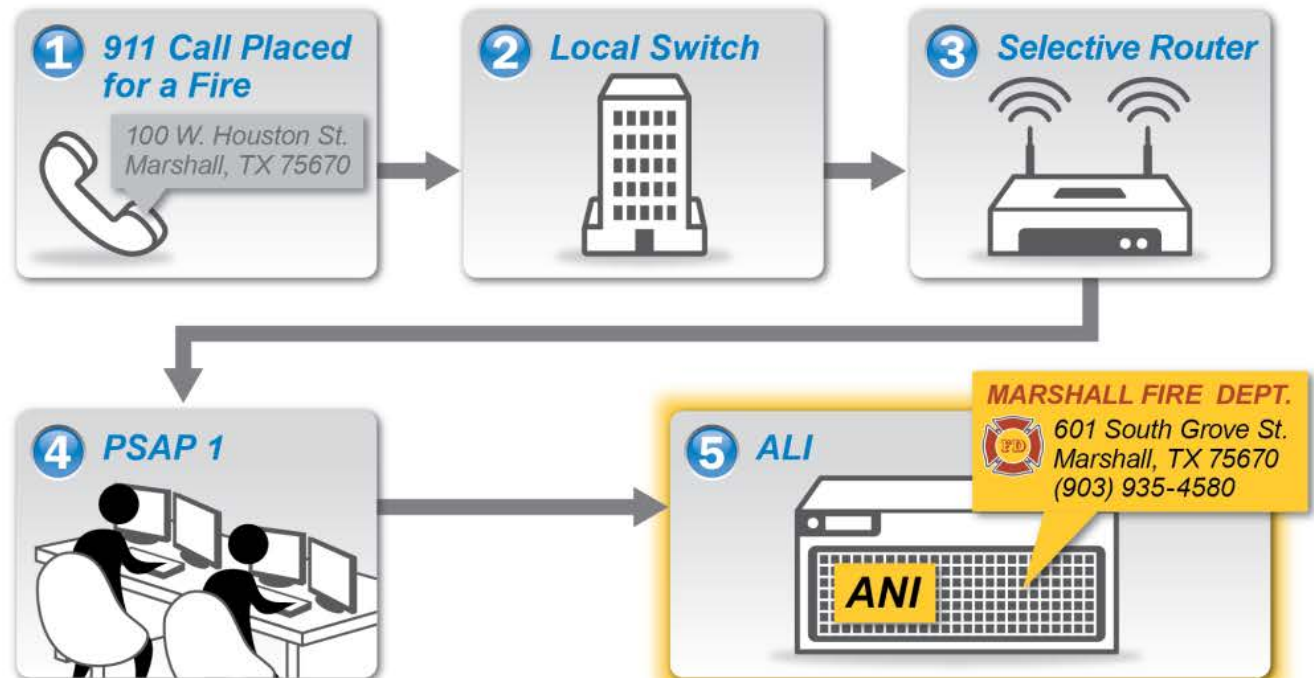
PSAP communicates with the **Automatic Location Identification (ALI)** database and delivers the caller's **ANI**.



# Architecture of the E911 System

## 5 ALI

Using the **caller's ANI** and the **ALI's database information**, the ALI determines the location and contact information of the **emergency response team closest to the caller**.

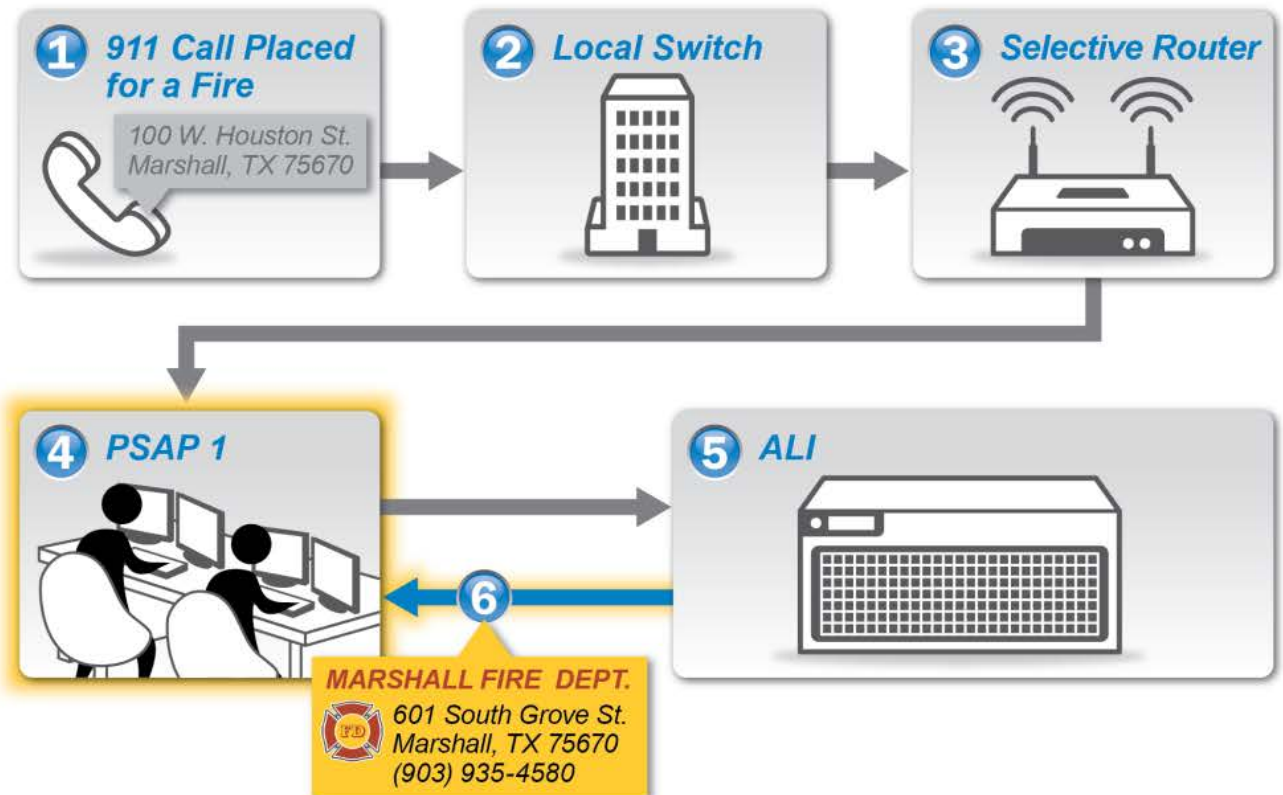




# Architecture of the E911 System

## ⑥ ALI

The ALI relays this **contact information** back to the **PSAP**.



## The IEN System **DOES NOT** Contain a Centralized Database as Required by Claim 1 of Plant's '858 Patent

### Claim 1 of the '858 Patent

...wherein said **central data manager** is located in a **centralized secure facility** with on-site server capability for **analyzing and recording** said **Automatic Number Information** and said **Automatic Location Information** for each of said **incoming calls**;

#### LONGMONT, CO

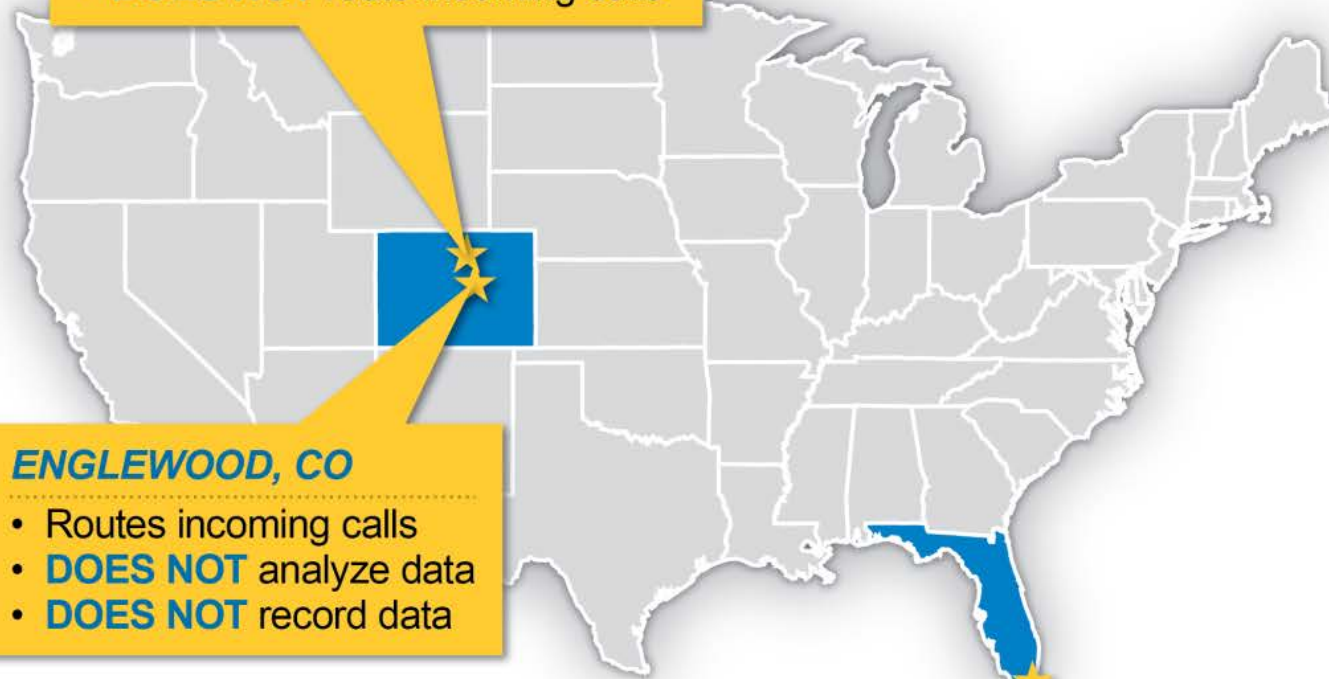
- Analyzes data
- **DOES NOT** record data
- **DOES NOT** route incoming calls

#### ENGLEWOOD, CO

- Routes incoming calls
- **DOES NOT** analyze data
- **DOES NOT** record data

#### MIAMI, FL

- Routes incoming calls
- **DOES NOT** analyze data
- **DOES NOT** record data



# IEN System **DOES NOT** Contain a Centralized Location That Analyzes Data, Records Data **AND** Routes Calls

REQUIRED BY CLAIM 1 OF THE '858 PATENT	SYSTEM LOCATIONS		
	LONGMONT, CO	MIAMI, FL	ENGLEWOOD, CO
On-site server capability for <b>analyzing</b> ALI and ANI <b>data</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>
On-site server capability for <b>recording</b> ALI and ANI <b>data</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>Routes incoming calls</b>	<b>NO</b>	<b>YES</b>	<b>YES</b>
<b>Centralized location to access data AND route calls</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>







# Plant's '858 Patent **IS OBVIOUS** in Light of Prior Art Antonucci '545 Patent

## '858 PATENT CLAIM 1 ELEMENTS

An emergency communications system.

**A plurality of remote terminals associated with one of a plurality of call centers, enabling operators to receive calls and dispatch emergency personnel.**

A wide area network (WAN) interfaced with each of the remote terminals.

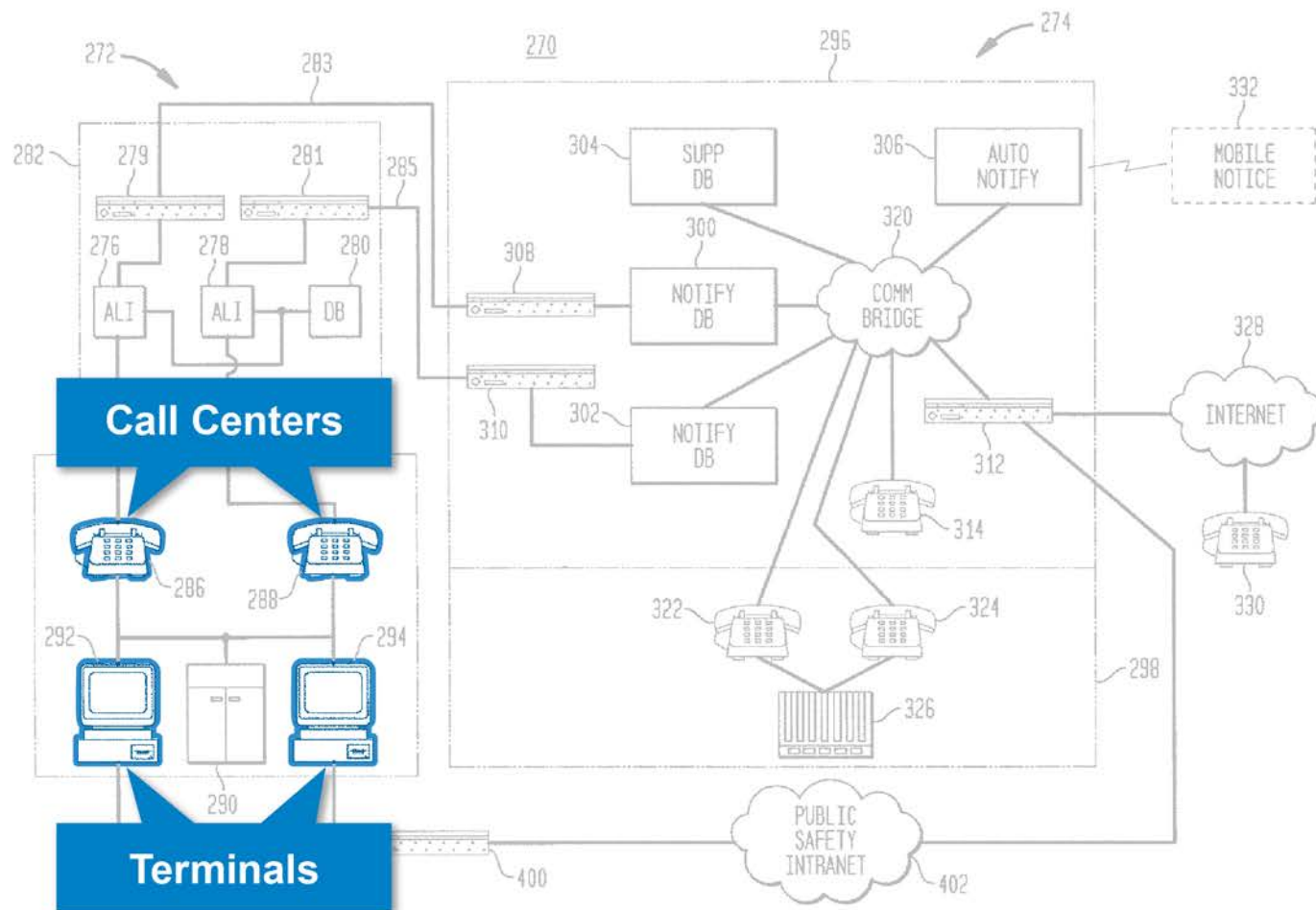
A central data manager configured to receive and route incoming calls over a WAN.

A partitioned database serving a plurality of call centers configured to maintain privacy of data.

Each incoming call delivered by the central data manager to a particular remote terminal based on associated ANI and ALI data.

Central data manager located in a centralized secure facility serving a plurality of PSAPs with multiple remote terminals.

## FIGURE 7 OF PRIOR ART ANTONUCCI '545 PATENT



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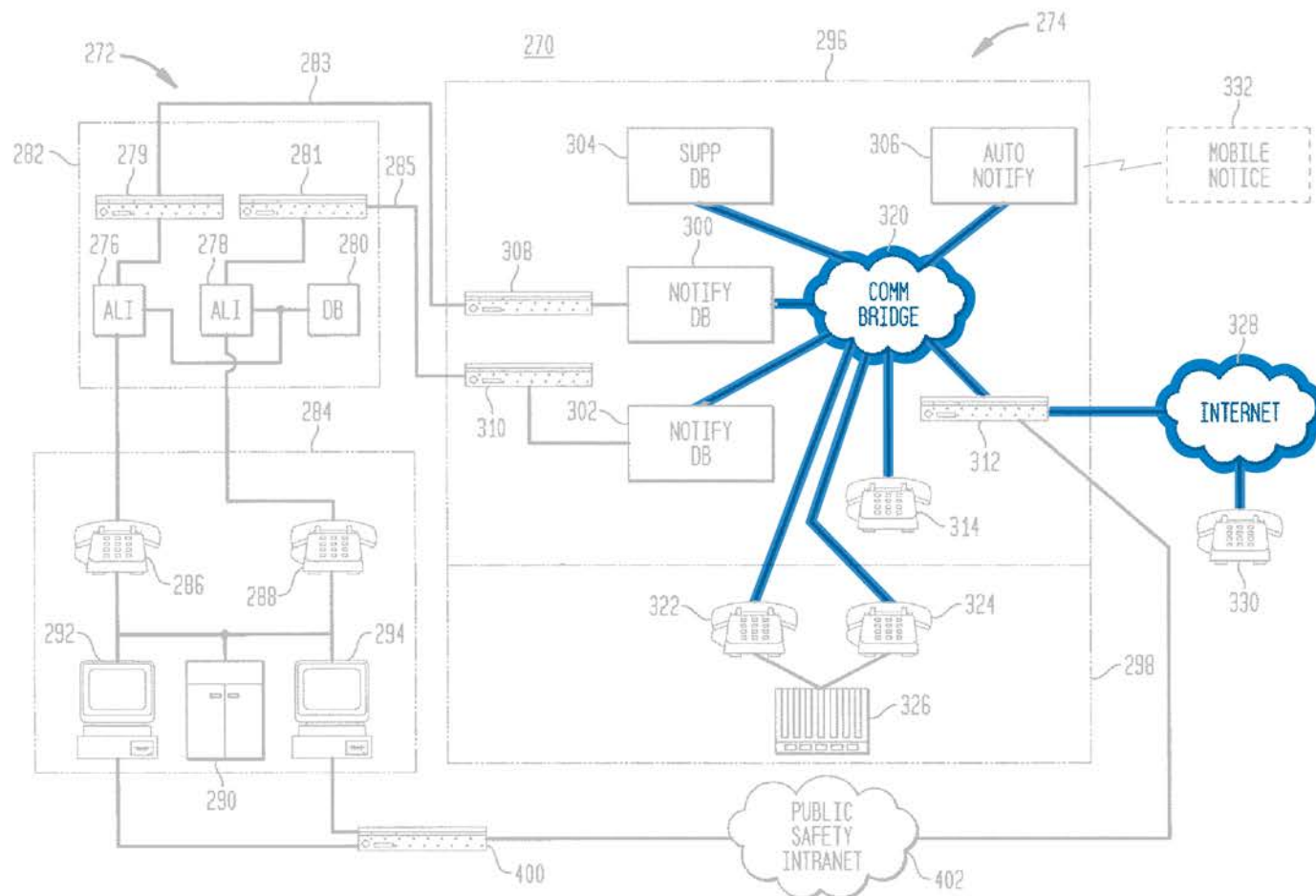
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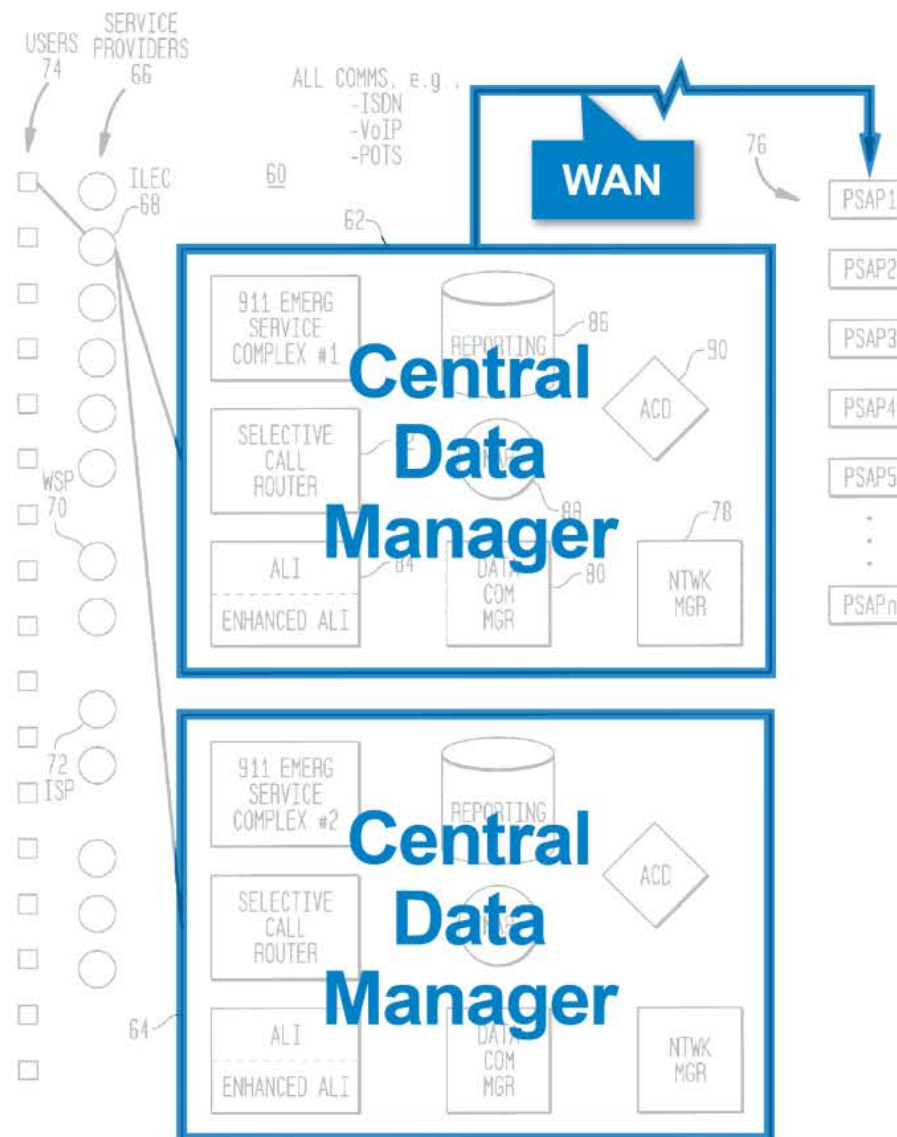
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## FIGURE 2 OF PRIOR ART ANTONUCCI '545 PATENT





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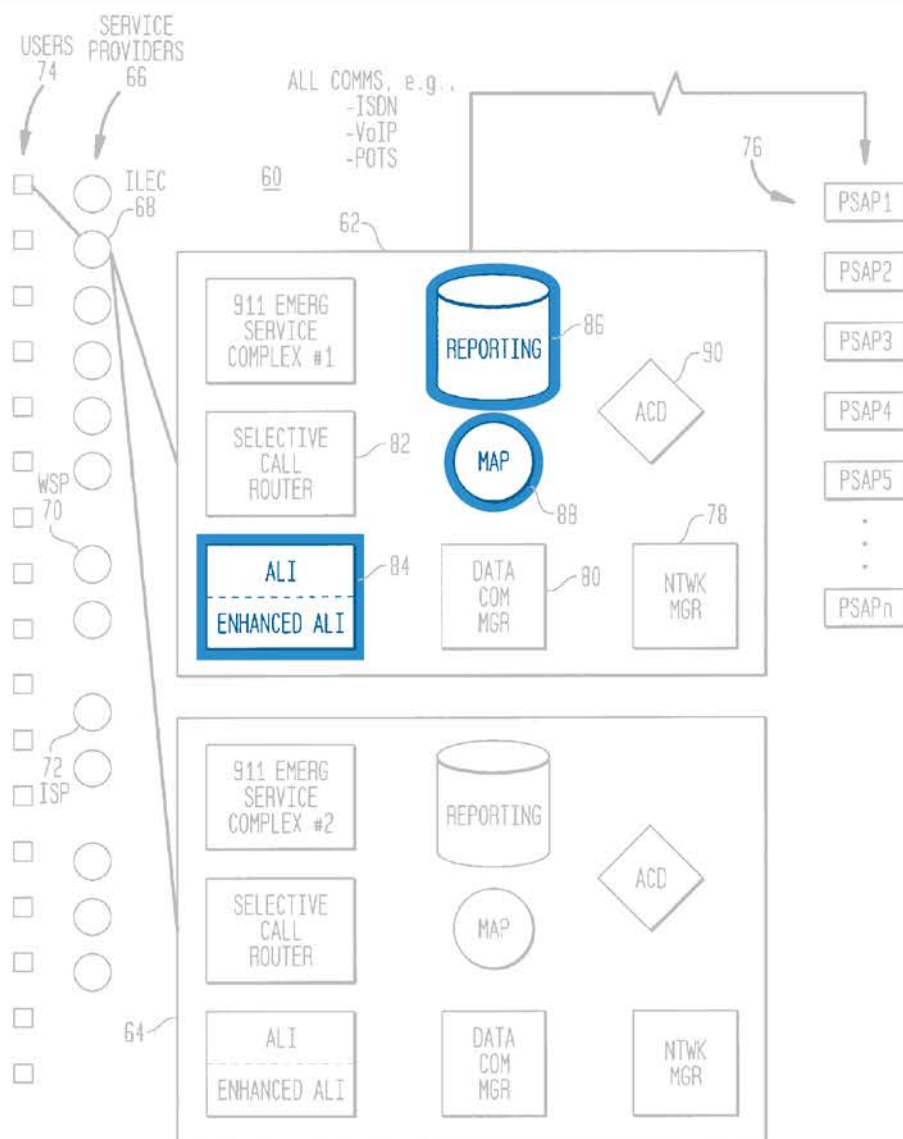
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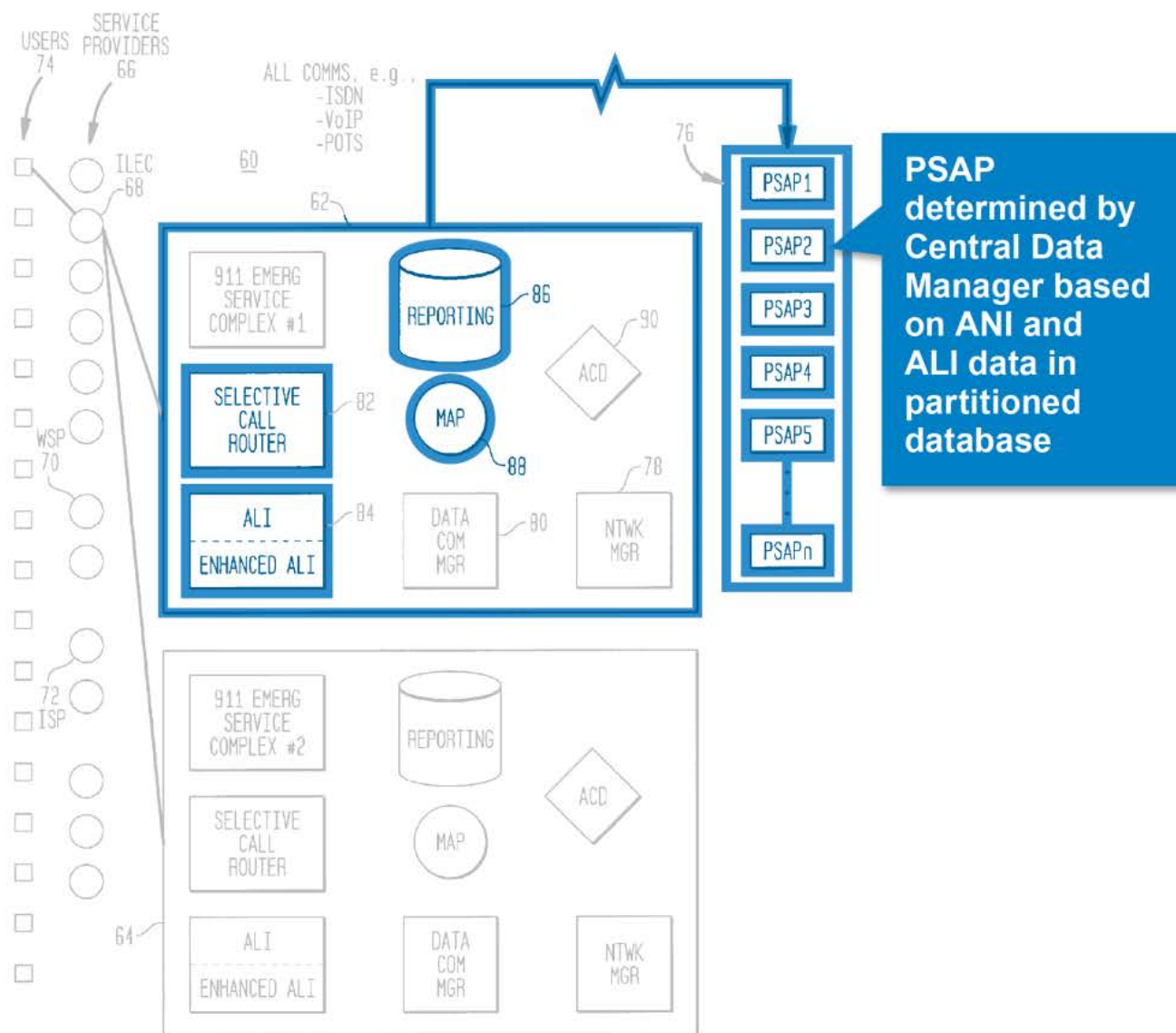
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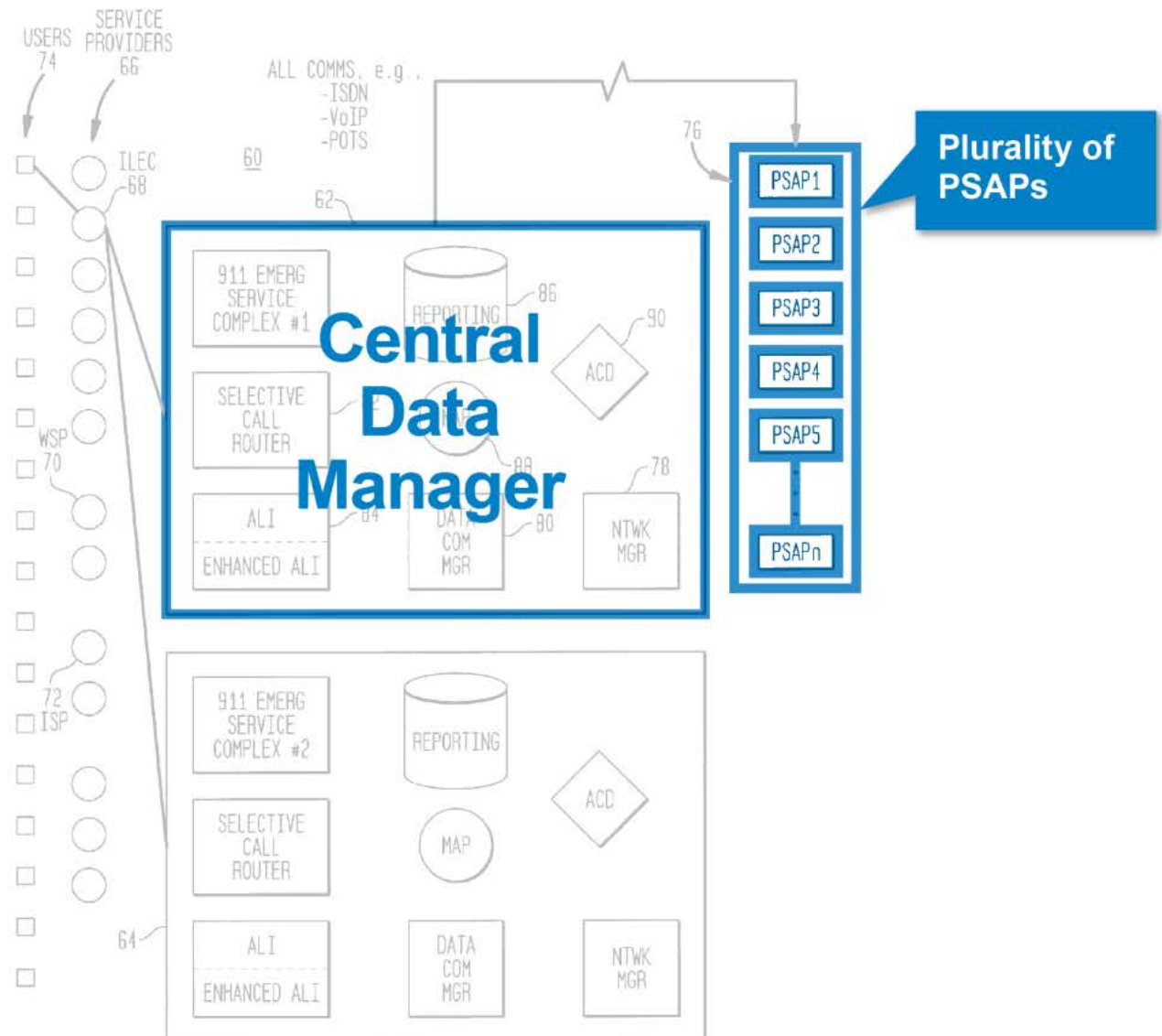
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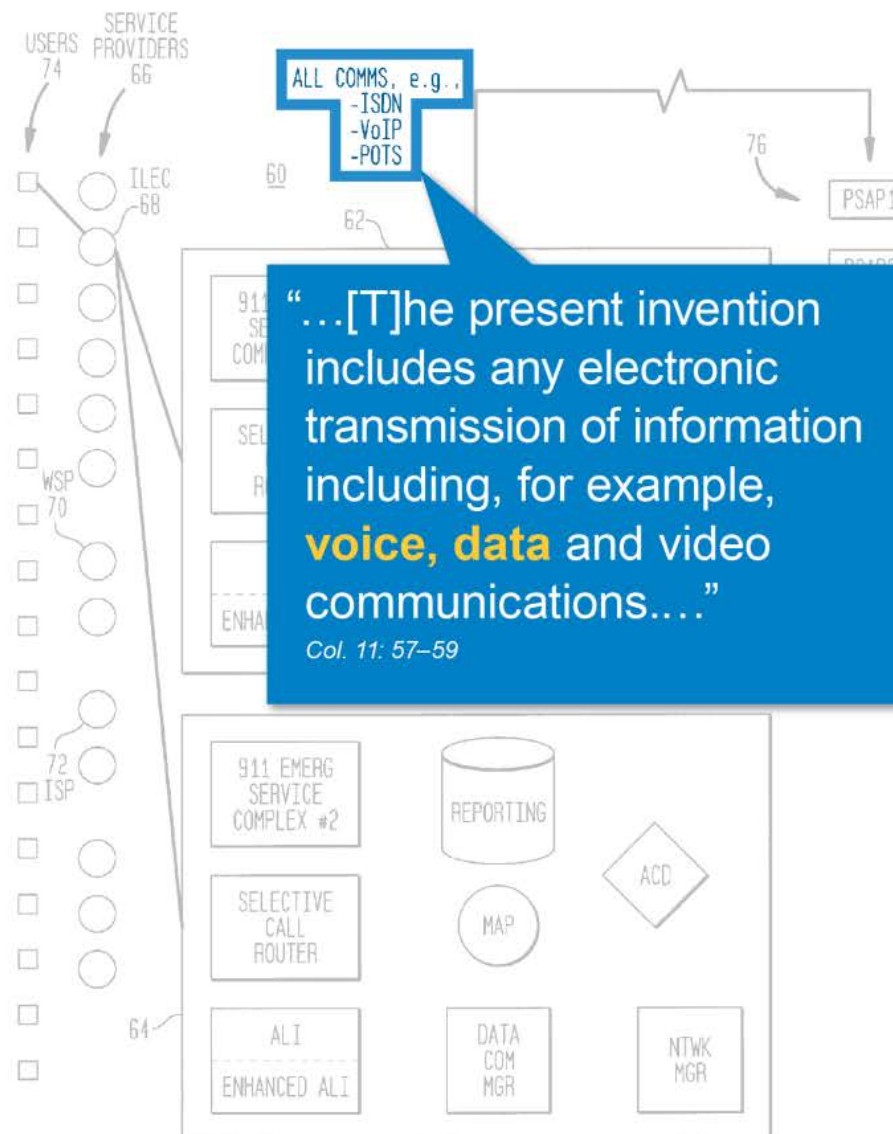
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## ADDITIONAL CLAIM 3 ELEMENTS

**A method for handling incoming emergency service calls having both voice and data signals.**

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