

(12) **United States Patent**  
**Petty et al.**

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(54) **METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS FROM A DATA NETWORK**

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(52) **U.S. Cl.** ..... **370/356; 370/410**

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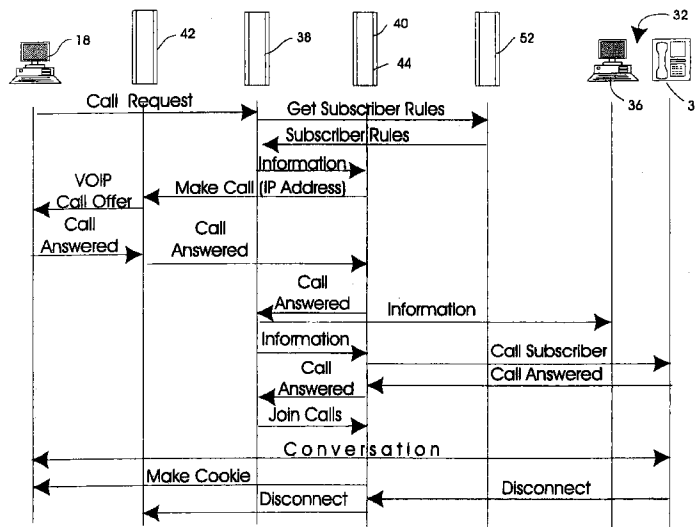
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(57) **ABSTRACT**

A method and apparatus for providing voice communications between two parties using computer controlled telephony hardware which is separate from the PSTN is described. The voice communications may be voice over Internet or PSTN voice connections, or any combination of the two. The apparatus includes a WEB server, a computer telephony server, a Voice over IP gateway and an operations, administration and maintenance server. The apparatus is suitably installed and operated by a service provider such as an Internet Service Provider. The advantage is unexcelled control over call setup, transfer and conference functions. A further advantage is the rapid, unfettered development of new services without compatibility issues with the PSTN.

**30 Claims, 10 Drawing Sheets**



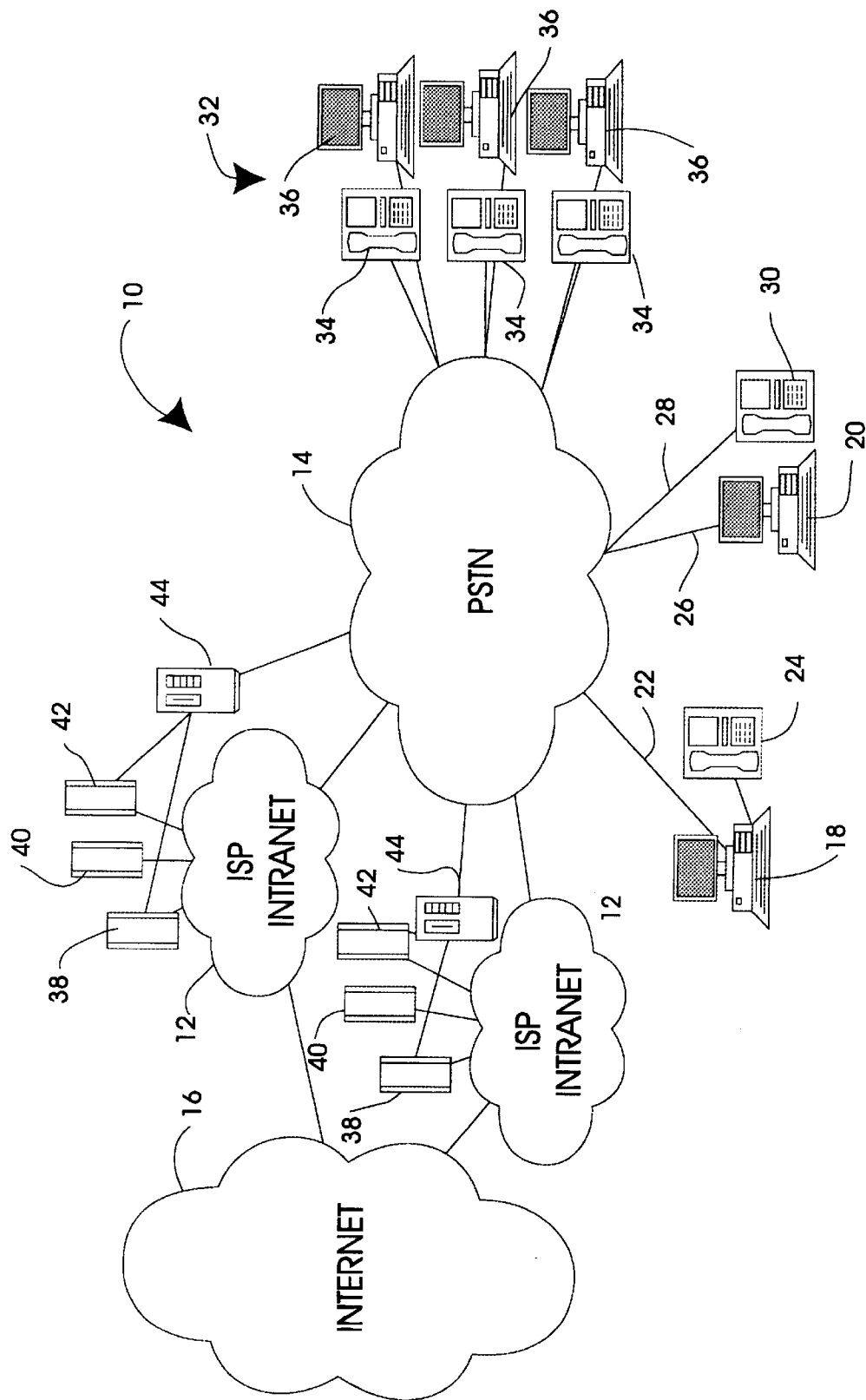
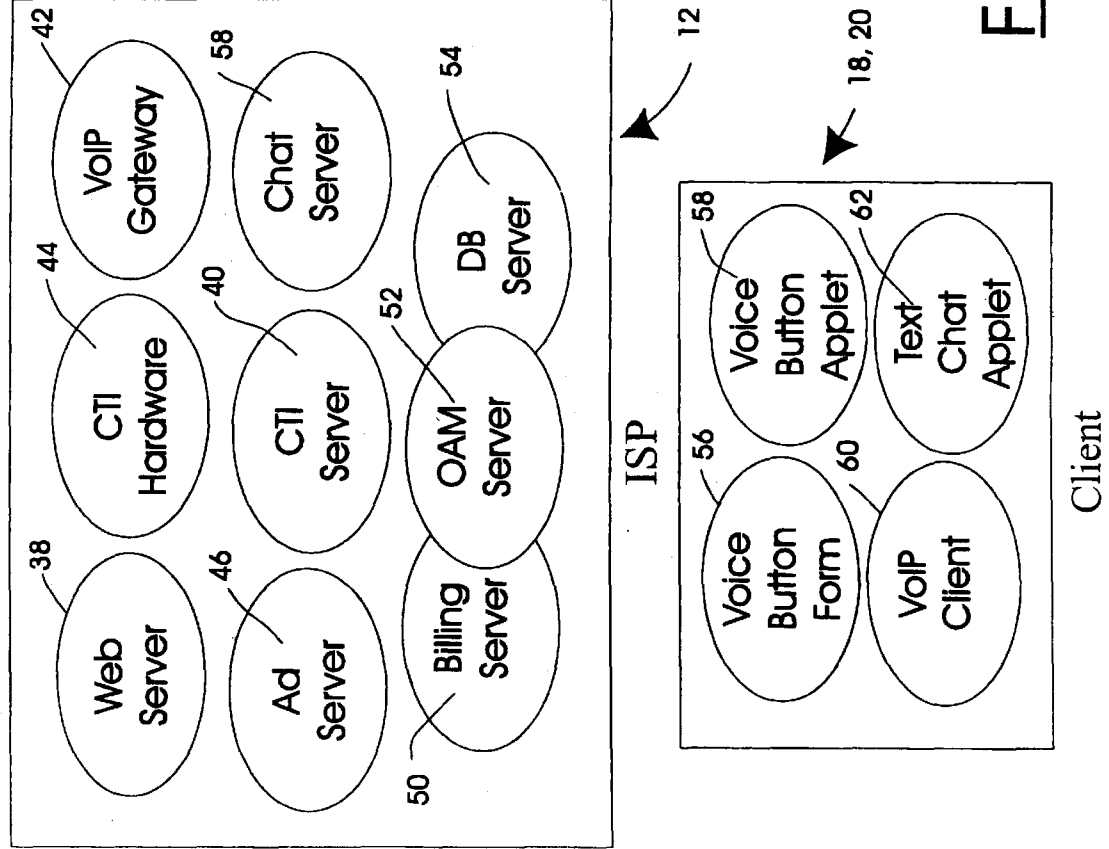


FIG. 1



**FIG. 2**

Have questions?  
Need more info?

**Talk to us in person  
at our expense!**

72

*Call Us*

70

**FIG. 3a**

Have questions?  
Need more info?

**Talk to us in person  
at our expense!**

72

*Call Us*

-gene  
-sales  
-orde  
-acco  
-tech

**FIG. 3b**

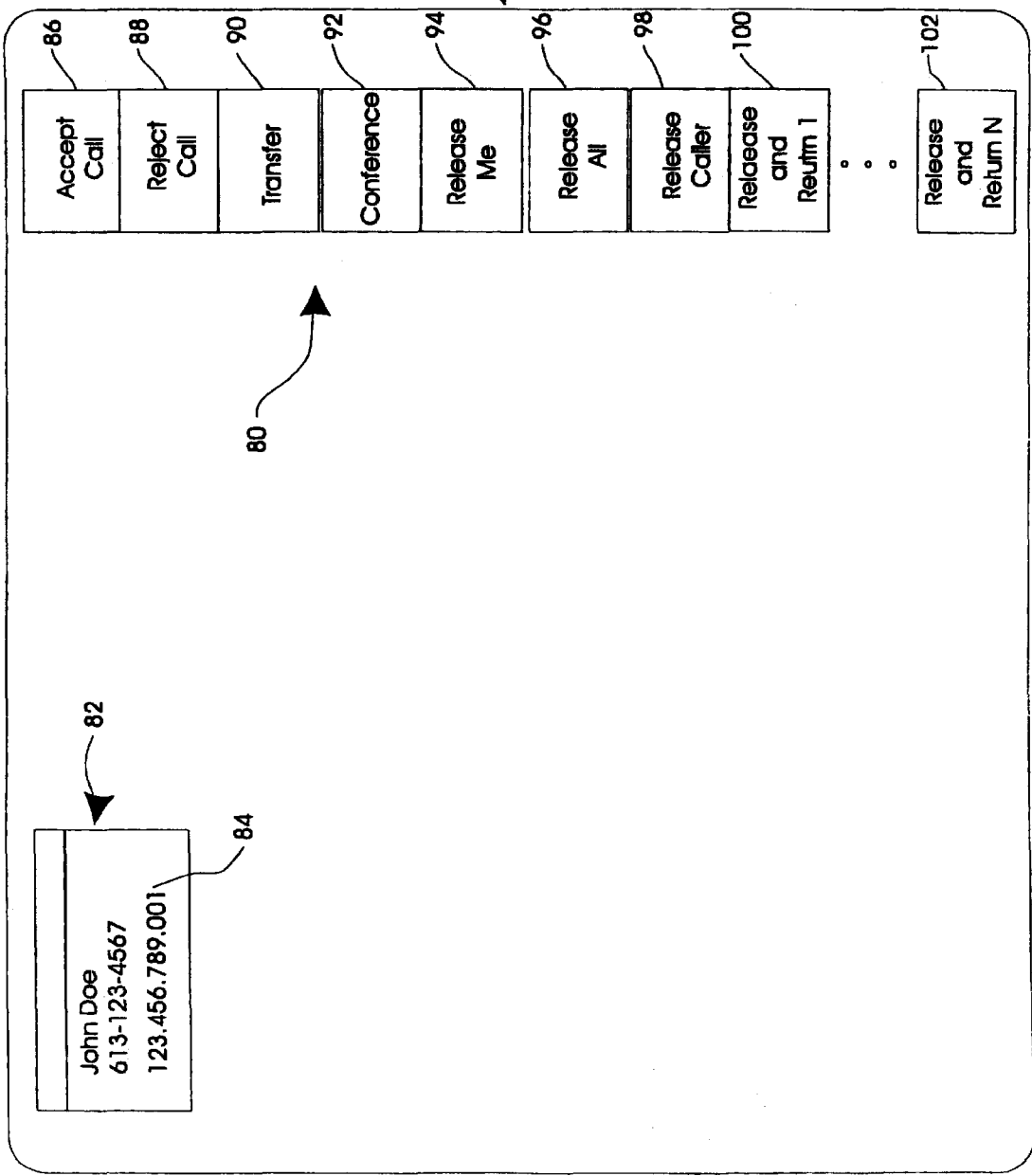
Please indicate your preference:

Telephone No. \_\_\_\_\_

Voice over IP

76

**FIG. 4**



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