

## US005377186A

# United States Patent [19]

Wegner et al.

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[54]	SYSTEM FOR PROVIDING ENHANCED
	SUBSCRIBER SERVICES USING ISUP
	CALL-SETUP PROTOCOL

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[21] Appl. No.: 95,300

[22] Filed: Jul. 21, 1993

379/201; 379/207; 379/211; 379/230

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[56]

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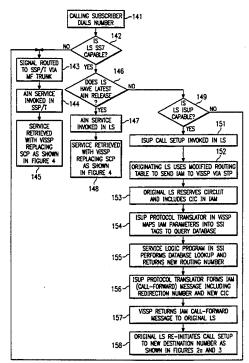
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Primary Examiner—Douglas W. Olms Assistant Examiner—Russell W. Blum Attorney, Agent, or Firm—Johnson & Wortley

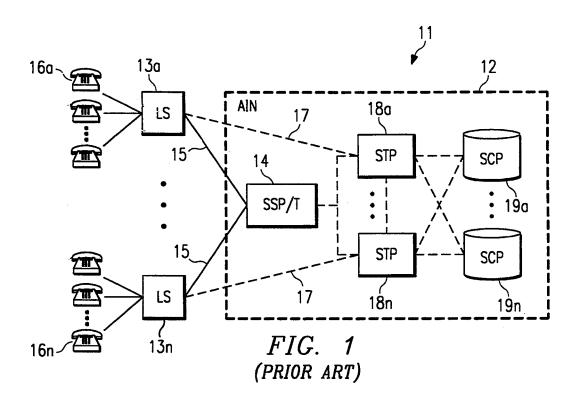
## 7] ABSTRACT

A system and method for retrieving enhanced subscriber services from at least one database and delivering those services to the subscribers of a telecommunications network without requiring the expensive upgrading of local switches (LSs) to operate with the Transaction Capabilities Application Part/Advanced Intelligent Network (TCAP/AIN) communications protocol. The system comprises a plurality of LSs which are connected to an Advanced Intelligent Network (AIN) and provide the subscribers with access to the network. The system also includes at least one virtual service switching point (ViSSP) within the AIN for storing the database of enhanced subscriber services. LSs or tandem switches may retrieve enhanced subscriber services from the ViSSP utilizing the Integrated Services Digital Network User Part (ISUP) call-setup protocol.

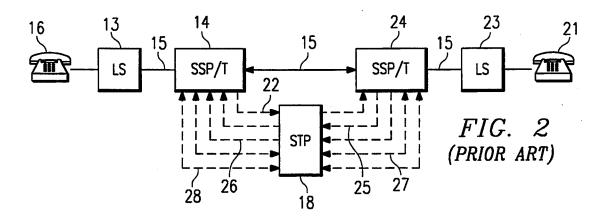
### 6 Claims, 8 Drawing Sheets

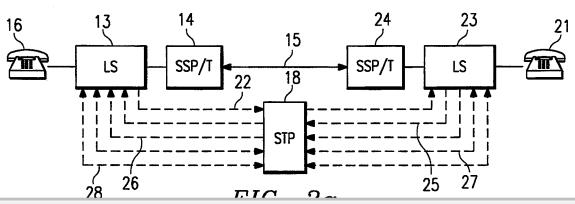




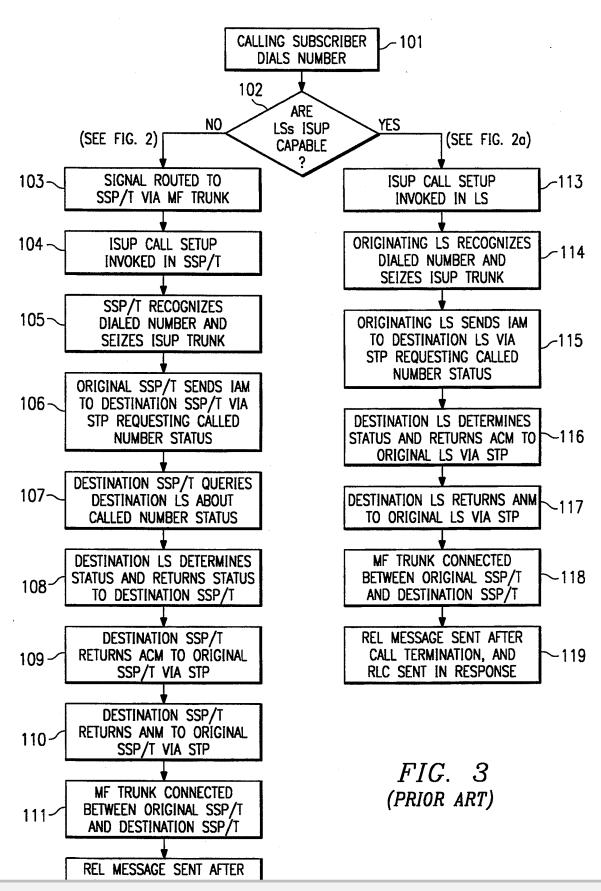


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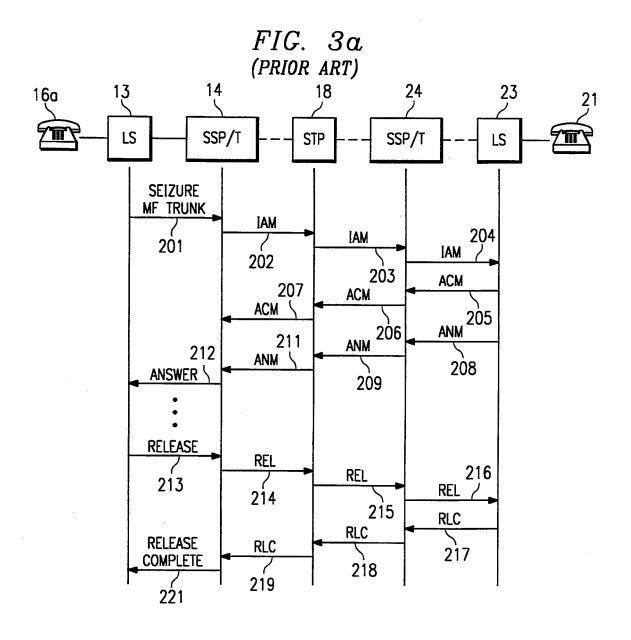




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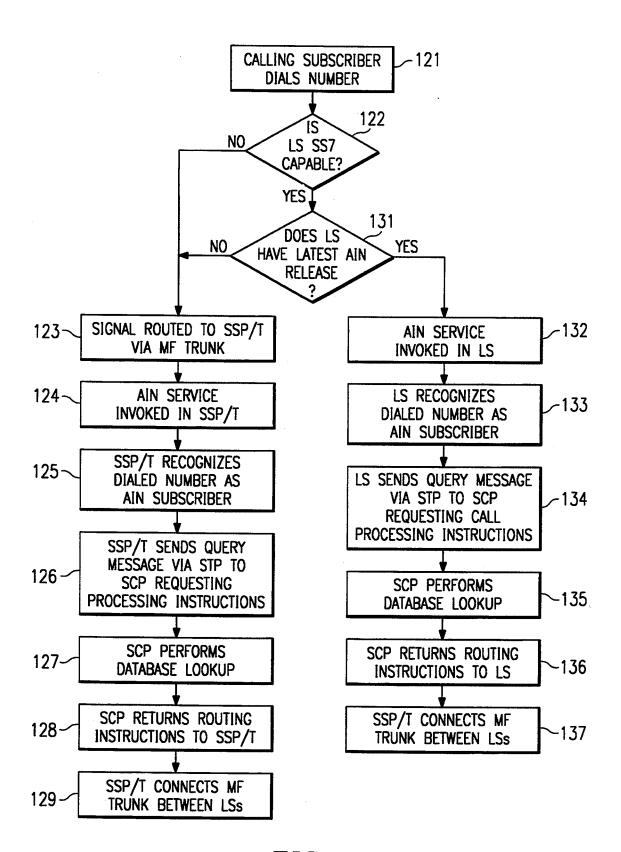


FIG. 4



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