

United States Patent [19]

370/261; 370/270

825.45, 825.47

[11]

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Kugell et al.

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[54]	MULTI-R SYSTEM	ING TELEPHONE METHOD AND	
[75]	Inventors:	Stanley Kugell, Newton Highlands; David Silver, Cambridge, both of Mass.	
[73]	Assignee:	Pilgrim Telephone, Inc. , Cambridge, Mass.	
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[22]	Filed:	Jan. 19, 1996	7

Int. Cl.⁶ H04M 3/46; H04M 3/56

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188, 199, 37, 354, 355, 356; 370/259, 260,

261, 262, 270, 280; 395/2.4; 340/825.44,

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Primary Examiner-Krista Zele Assistant Examiner—Scott Wolinsky Attorney, Agent, or Firm-Strung Kramer Schaefer &

ABSTRACT

Briscoe

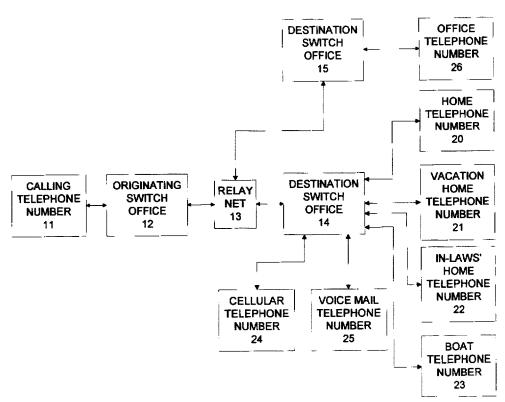
A method and system of providing telephone service comprises associating a list of telephone numbers with a representative telephone number. A call to the representative telephone number is detected and a plurality of telephone numbers on the list are simultaneously signalled. Thereafter, signalling is terminated at at least one of the plurality of telephone numbers thereby allowing a connection to be established with one or more parties at telephone numbers among the plurality of telephone numbers. Each telephone number on the list may be a representative number which is associated with another list of telephone numbers.

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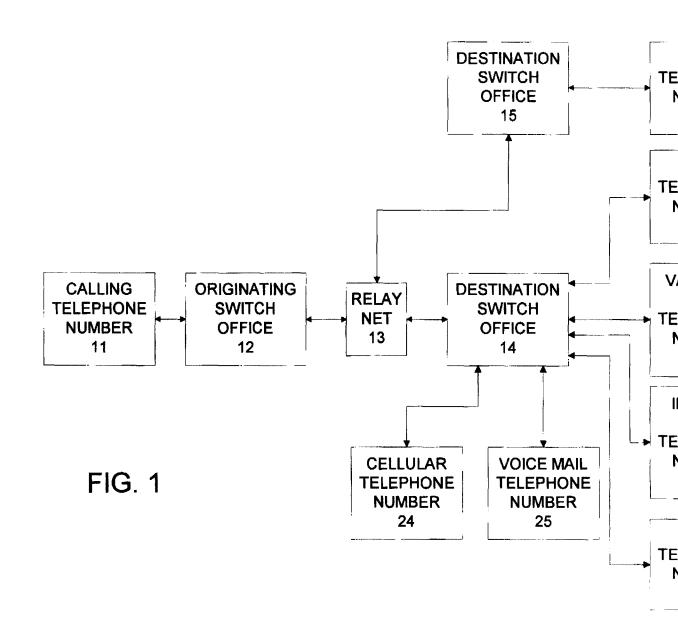
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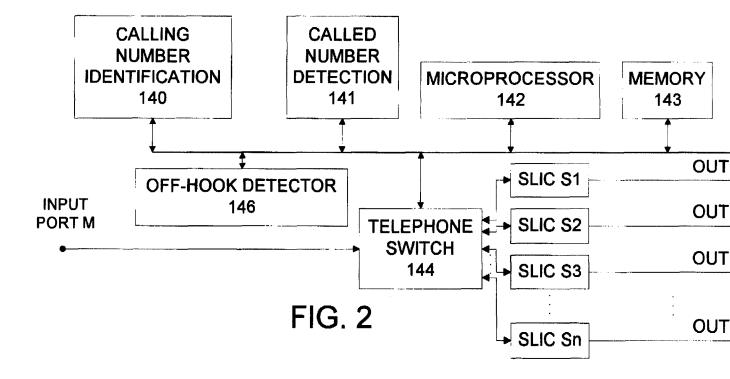
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47 Claims, 9 Drawing Sheets









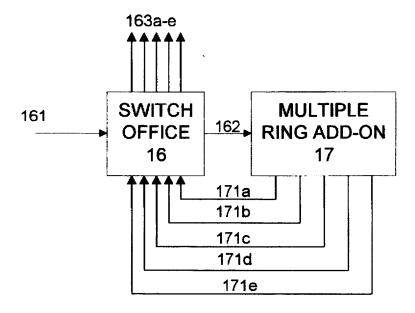


FIG. 2A

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REPRESENTATIVE NUMB	3ER: 800-555-1234	SIGNALLING TERMINATION REQUIREMENTS: 1 OFF		
LIST OF ASSOCIATED NUMBERS	TIME PARAMETERS	ANI PARAMETERS	SIGNALLING DELAY PARAMETERS	VERIFIC PARAME
HOME TEL. NUMBER 20	6PM-12AM ONLY	TABLE A (EXCLUDED NOS.)	5 RINGS ONLY	PIN N
VACATION HOME TEL. NUMBER 21	9AM-5PM, M-F ONLY	TABLE A (EXCLUDED NOS.)	5 RINGS ONLY	PIN N
IN-LAWS' HOME TEL. NUMBER 22	6 PM-10 PM, AUGUST ONLY	TABLE B (EXCLUDED NOS.)	START AFTER 6 RINGS	VOICE C
BOAT TEL. NUMBER 23	SAT. & SUN. ONLY	TABLE C (PERMITTED NOS.)	NONE	PIN N
CELLULAR TEL. NUMBER 24	ALL TIMES	NO EXCLUSIONS	NONE	NOI
VOICE MAIL TEL. NUMBER 25	JULY 15 - JULY 28 ONLY	NO EXCLUSIONS	START AFTER 20 RINGS	NOI

FIG. 3



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