

[54] METHOD AND APPARATUS FOR DOWNLOADING TONES TO MOBILE TERMINALS

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FOREIGN PATENT DOCUMENTS

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[21] Appl. No.: 08/739,623

[57] ABSTRACT

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A method and apparatus for downloading tone data from a public land mobile network to a mobile telephone unit is disclosed. A mobile telephone unit includes means enabling the user to request downloading of tone data to the mobile telephone unit from a public land mobile network via a connection-less communications link such as the USSD or SMS. The downloaded tone data is uniquely associated with a selected telephone number within the mobile telephone unit such that a call to the mobile unit involving the telephone number initiates audio play back of the tone data.

[51] Int. Cl.⁷ H04Q 7/22; H04Q 7/32

[52] U.S. Cl. 455/414; 455/419; 455/567

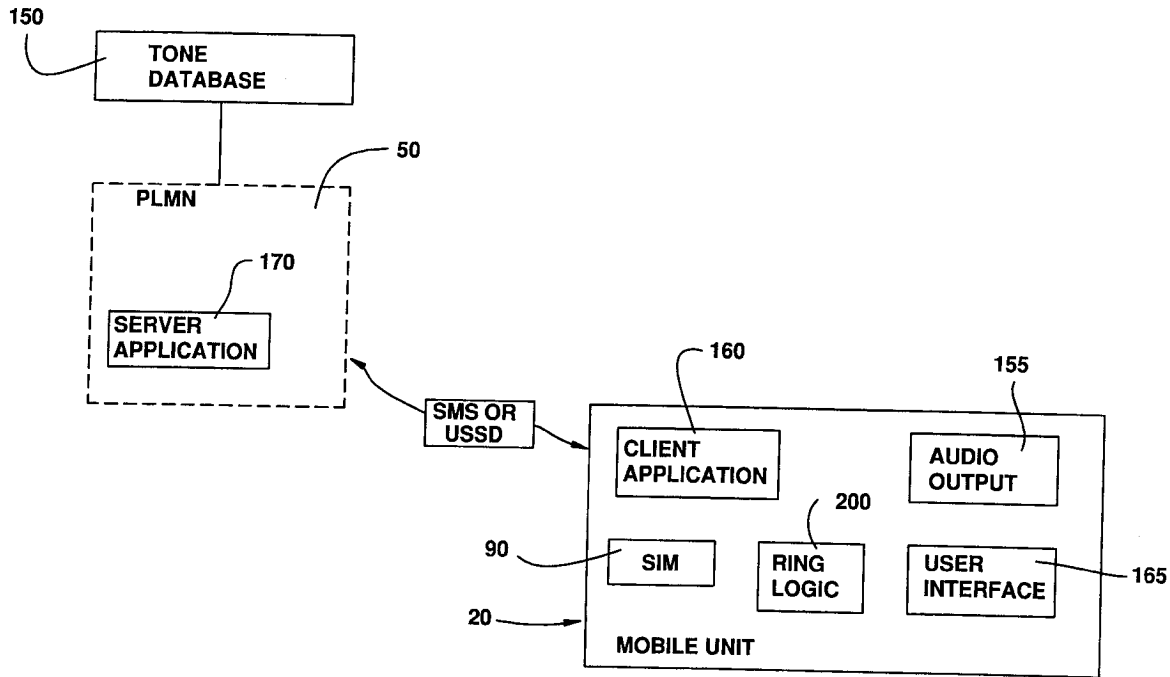
[58] Field of Search 455/414, 415, 455/419, 466, 551, 567; 379/101.01, 374, 375

[56] References Cited

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54 Claims, 4 Drawing Sheets



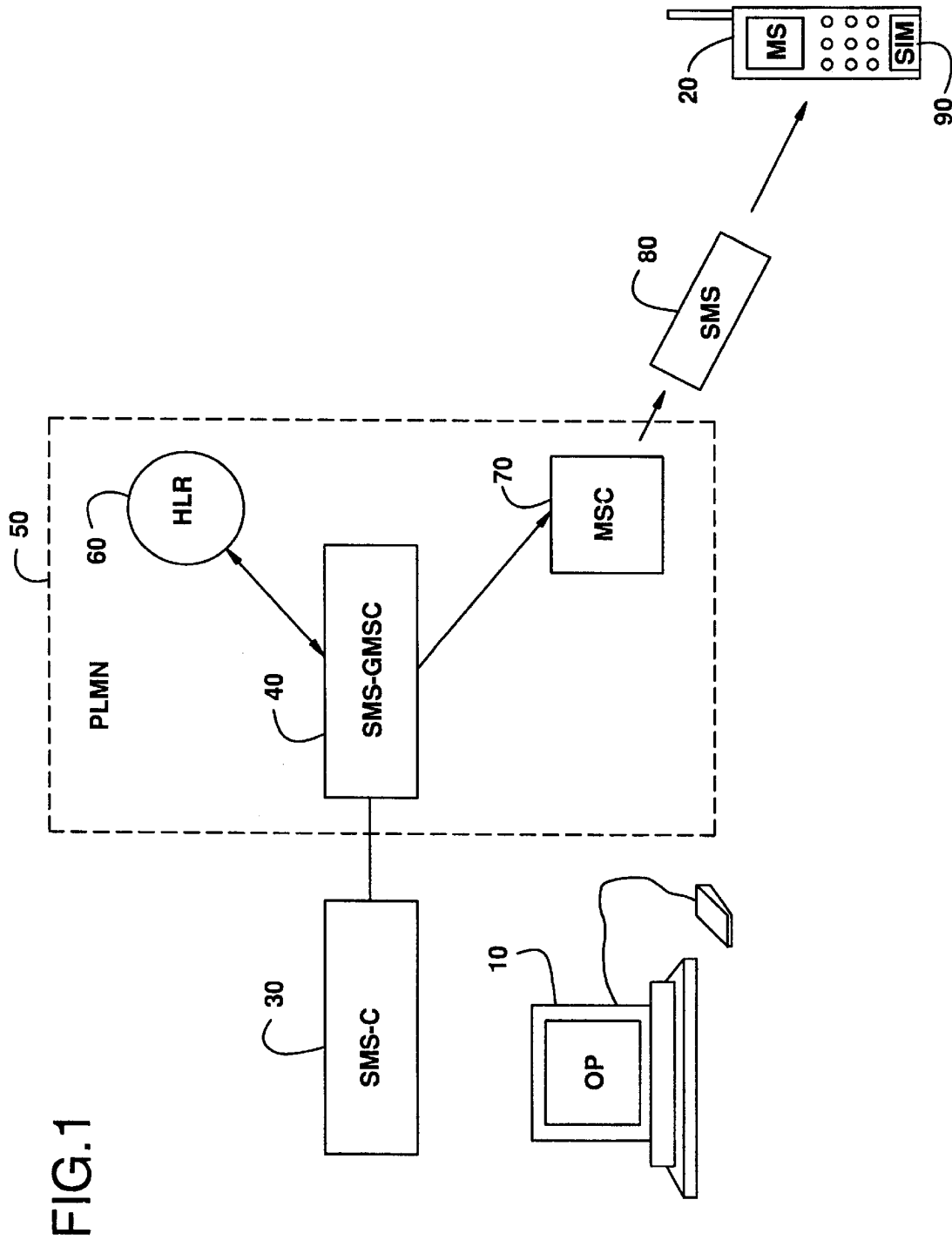


FIG. 1

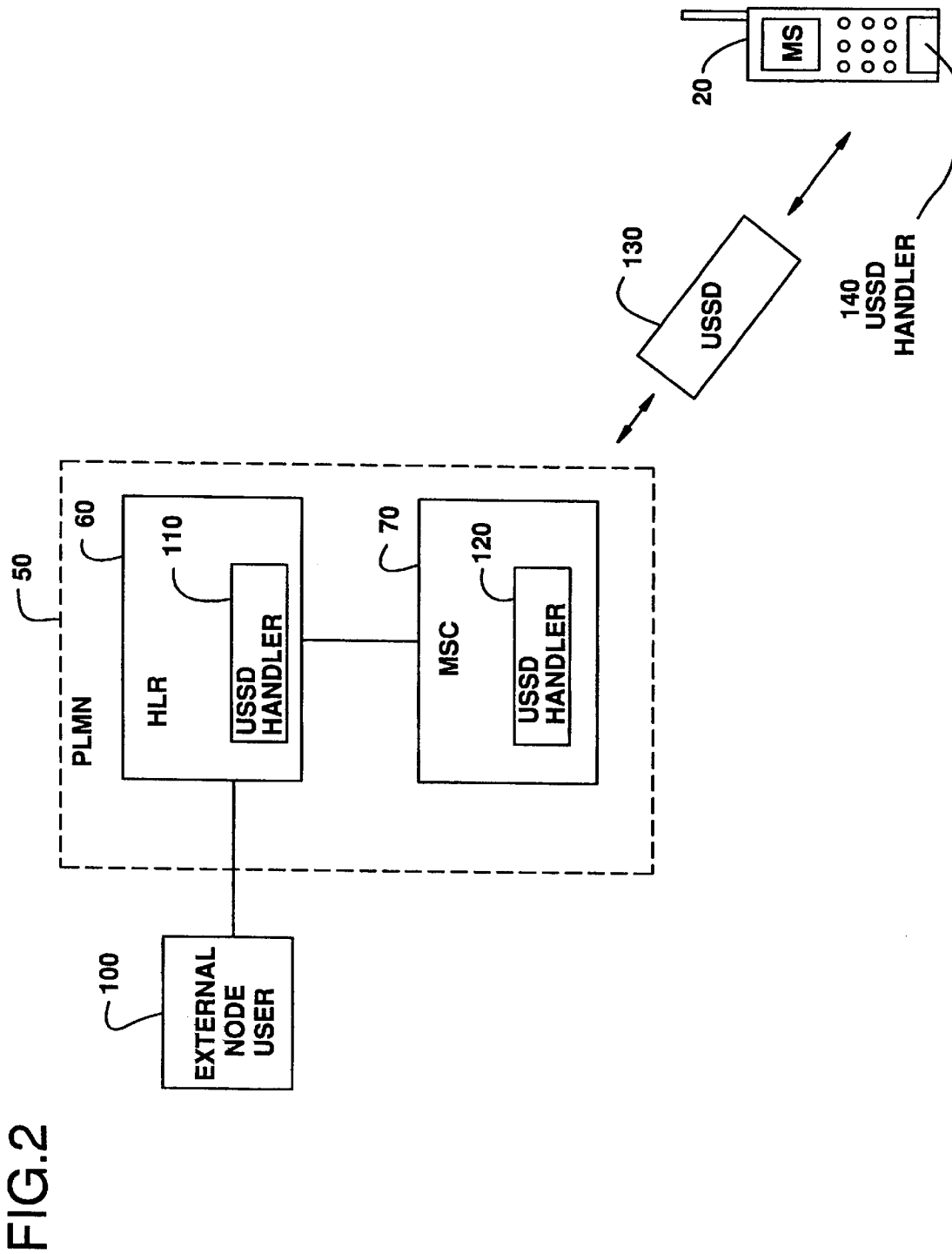


FIG. 2

FIG. 3

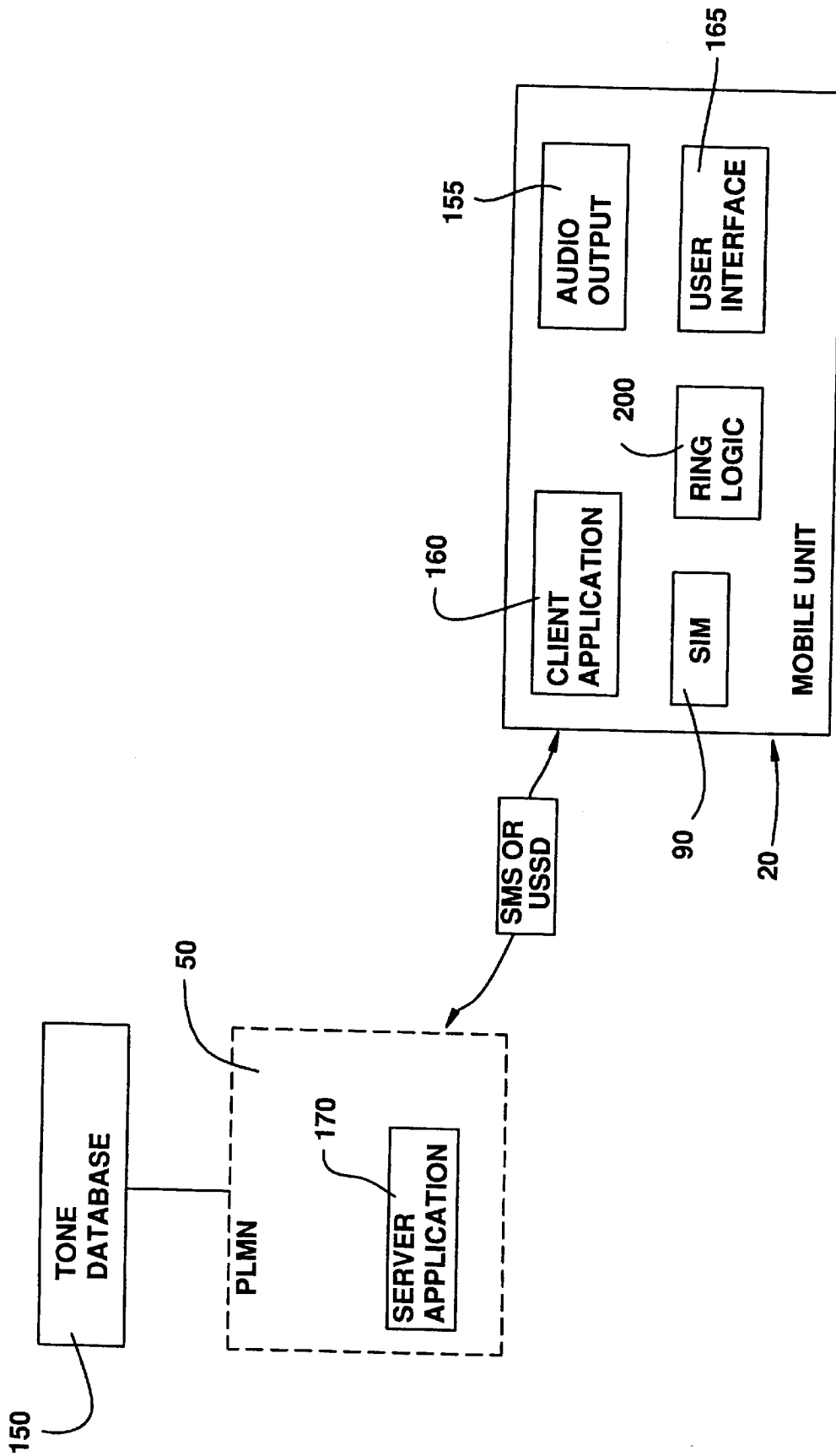
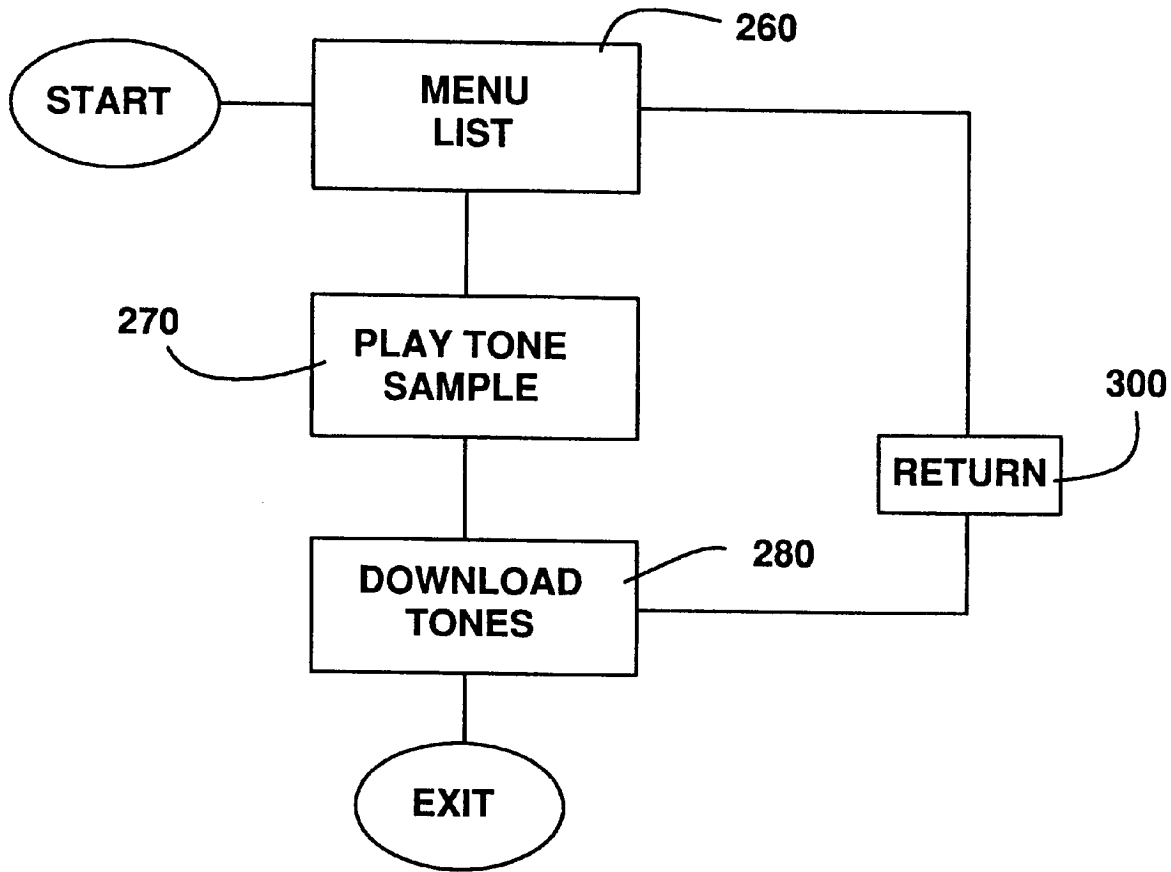


FIG.4



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