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(54) **METHOD AND APPARATUS FOR A SOFTWARE CONFIGURABLE WIRELESS MODEM ADAPTABLE FOR MULTIPLE MODES OF OPERATION**

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(57) **ABSTRACT**

The present invention provides for a software configurable wireless modem that can be configured using software downloaded by a host computer. The user can select a preferred mode of operation, or mode selection can be done automatically based upon whether one or more predetermined criterion, such as a location of the modem, are met.
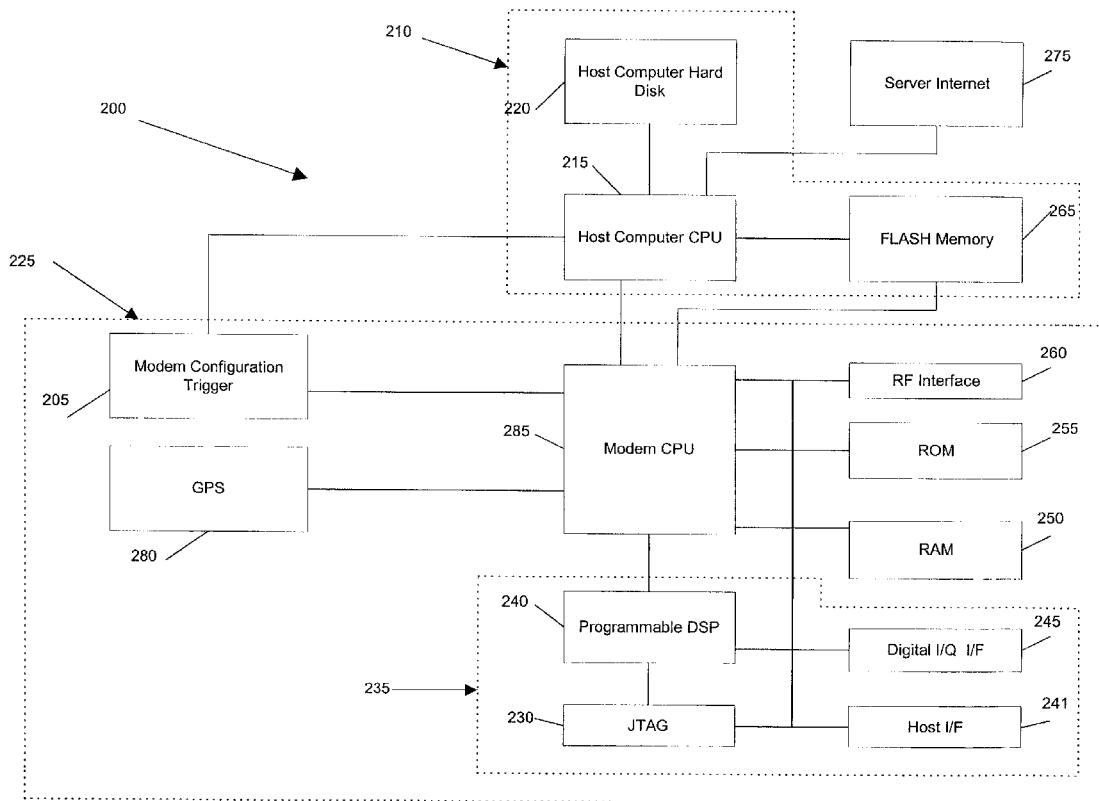
Fig. 1 Prior Art

Fig. 2A

200

210

220 Host Computer Hard Disk

215 Host Computer CPU

275 Server Internet

265 FLASH Memory

260 RF Interface

255 ROM

250 RAM

245 Digital I/Q I/F

241 Host I/F

285 Modem CPU

240 Programmable DSP

230 JTAG

235

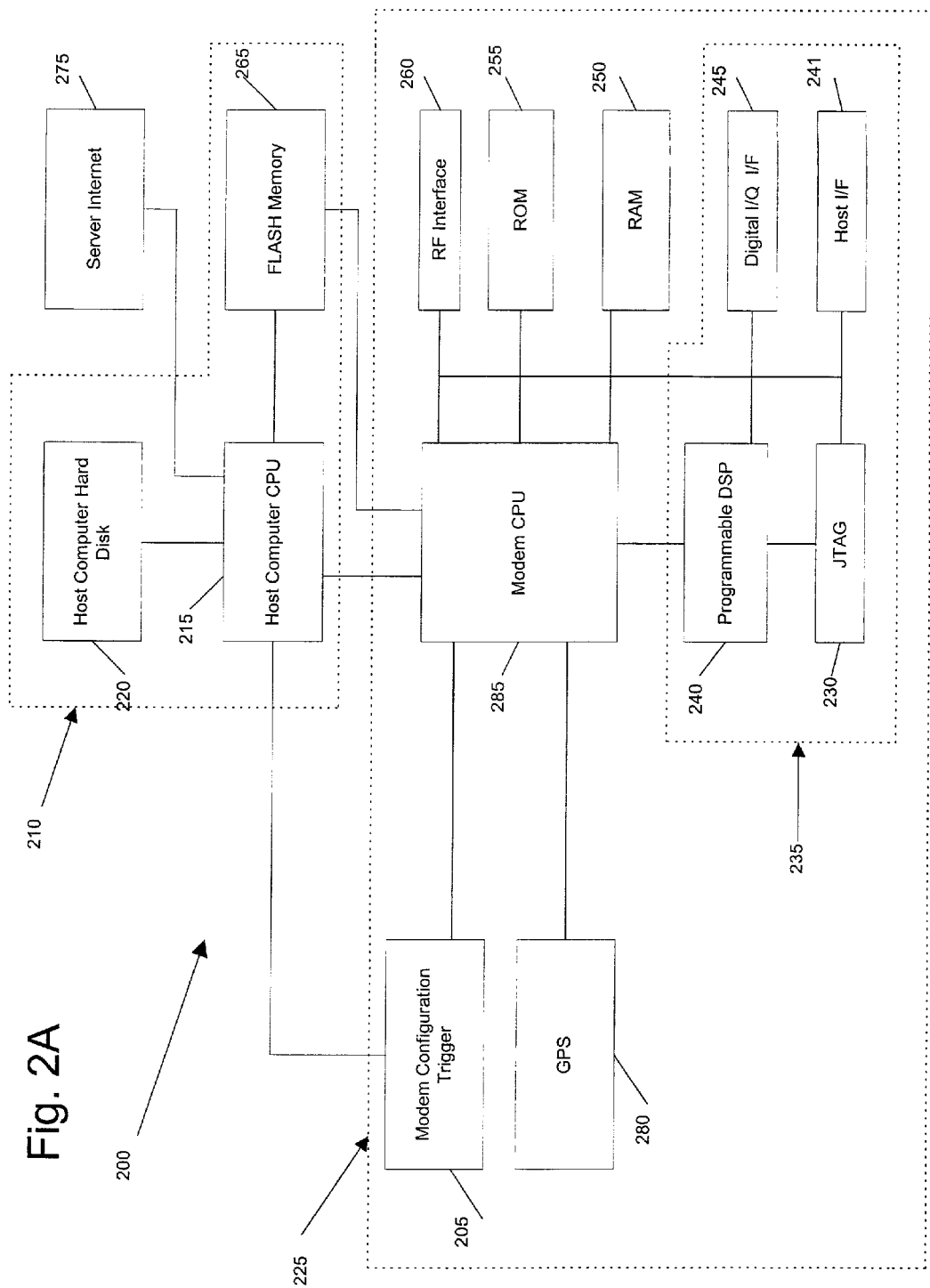225

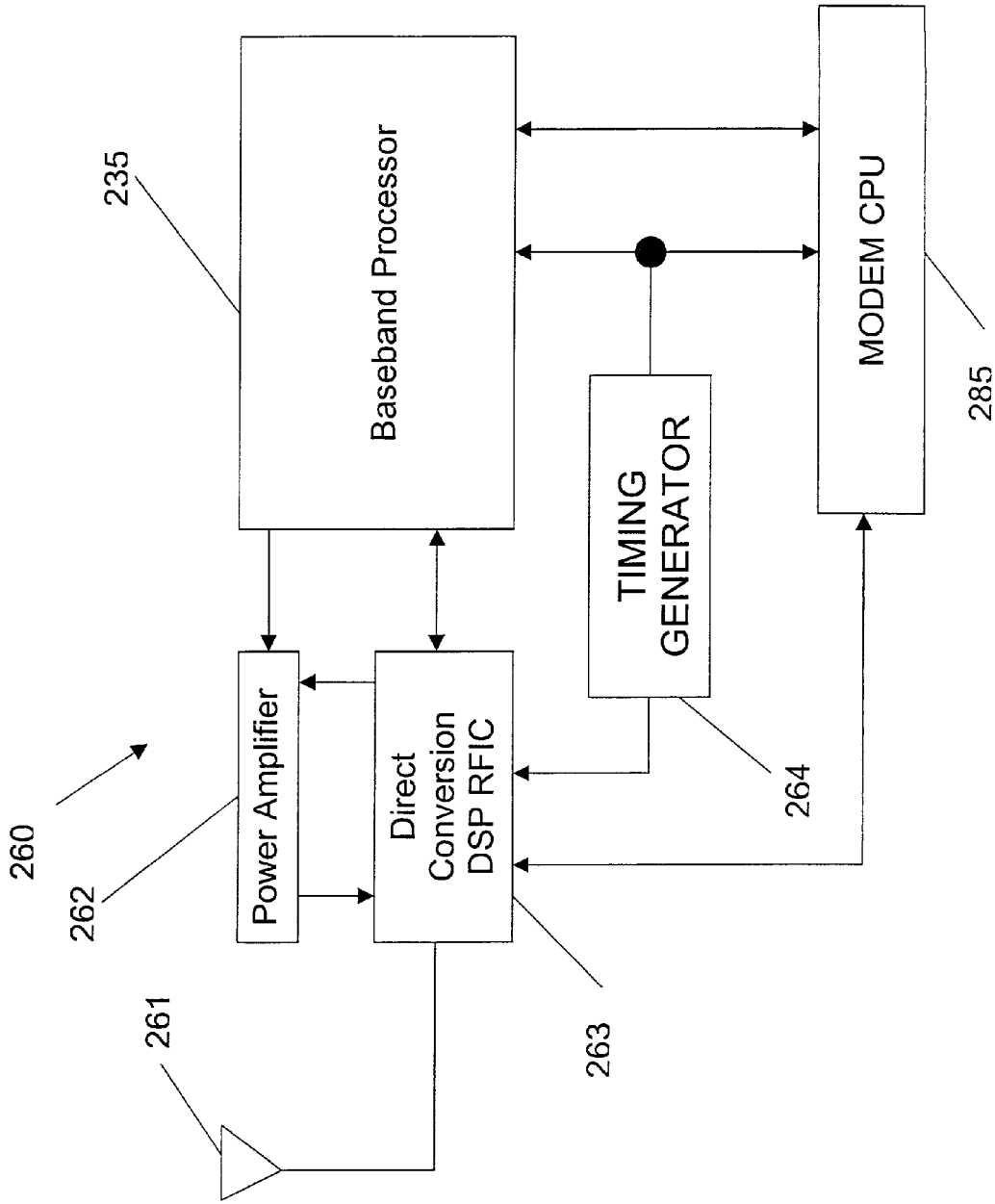205 Modem Configuration Trigger

280 GPS

Fig. 2B

Fig. 3

DOCKET ALARM
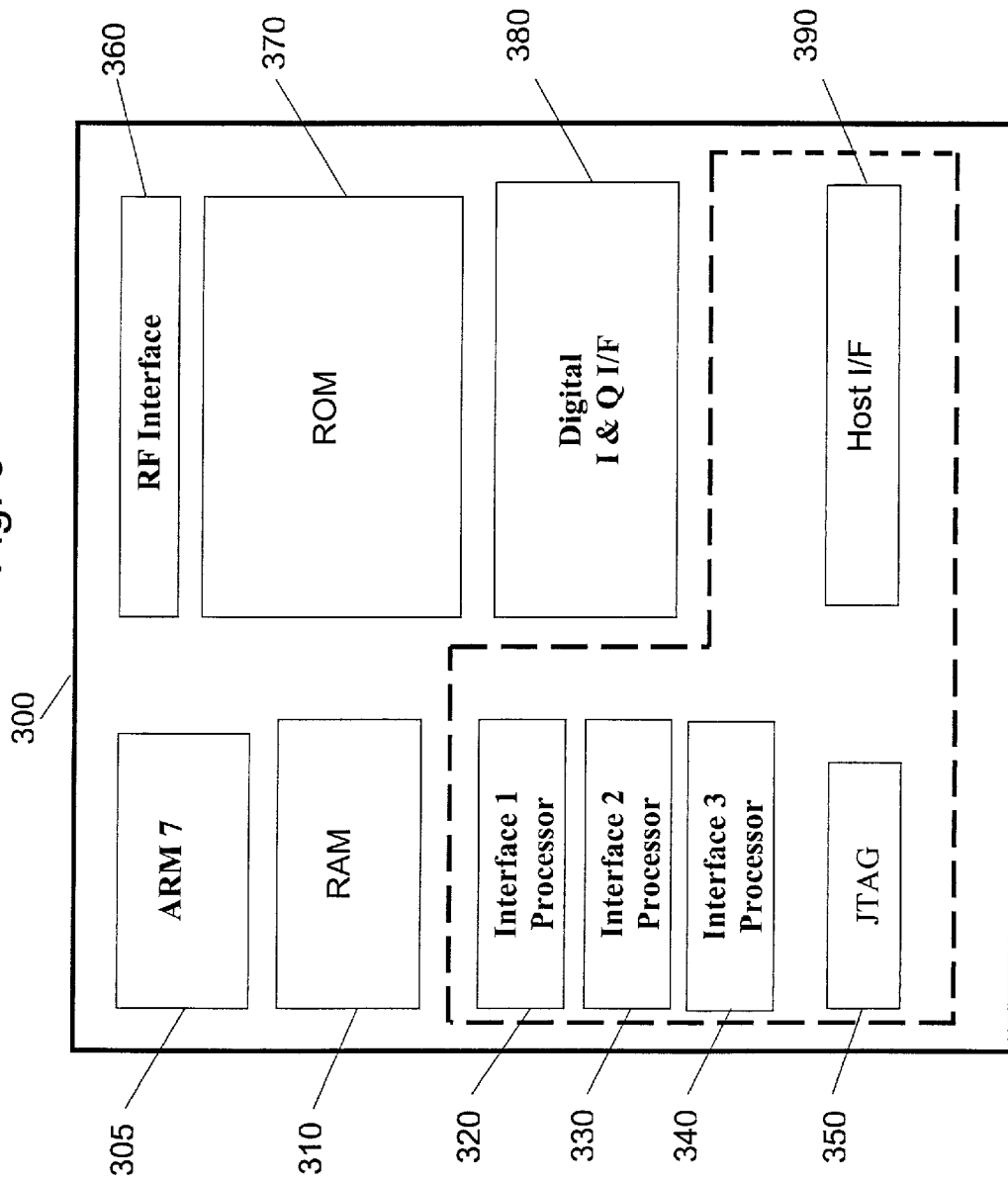
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