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**Howarter et al.**(10) **Pub. No.: US 2010/0075656 A1**(43) **Pub. Date: Mar. 25, 2010**(54) **SYSTEM AND METHOD FOR KEY FREE  
ACCESS TO A VEHICLE**(22) Filed: **Sep. 24, 2008**(75) Inventors: **Jamie C. Howarter**, Overland  
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**Bradford**, Kansas City, MO (US)**Publication Classification**(51) **Int. Cl.**  
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**CHICAGO, IL 60606-1080 (US)**(57) **ABSTRACT**

A system and method for unlocking a vehicle with a cell phone. Wireless signals are monitored from a cell phone. A signal is received from the cell phone. A distance between the cell phone and the vehicle is determined. Doors of the vehicle are unlocked in response to the cell phone nearing the vehicle. The doors of the vehicle are locked in response to the cell phone being further separated from the vehicle.

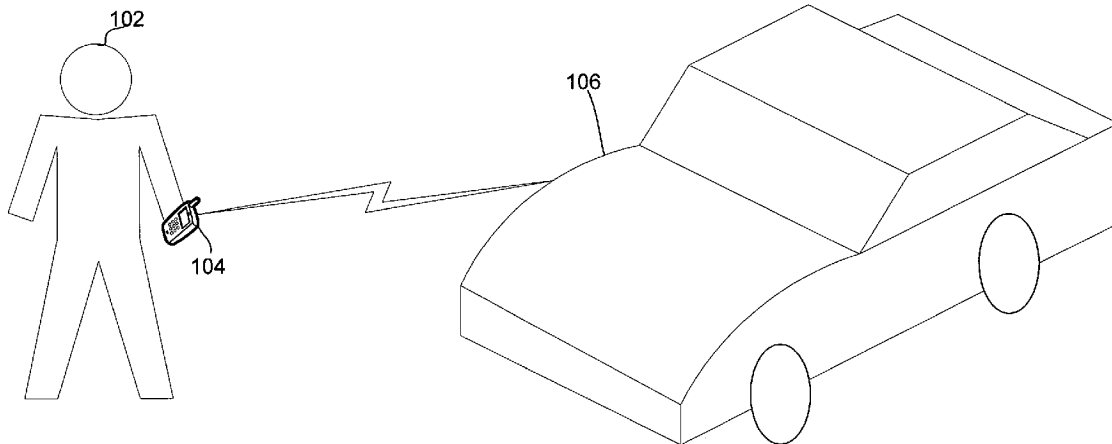
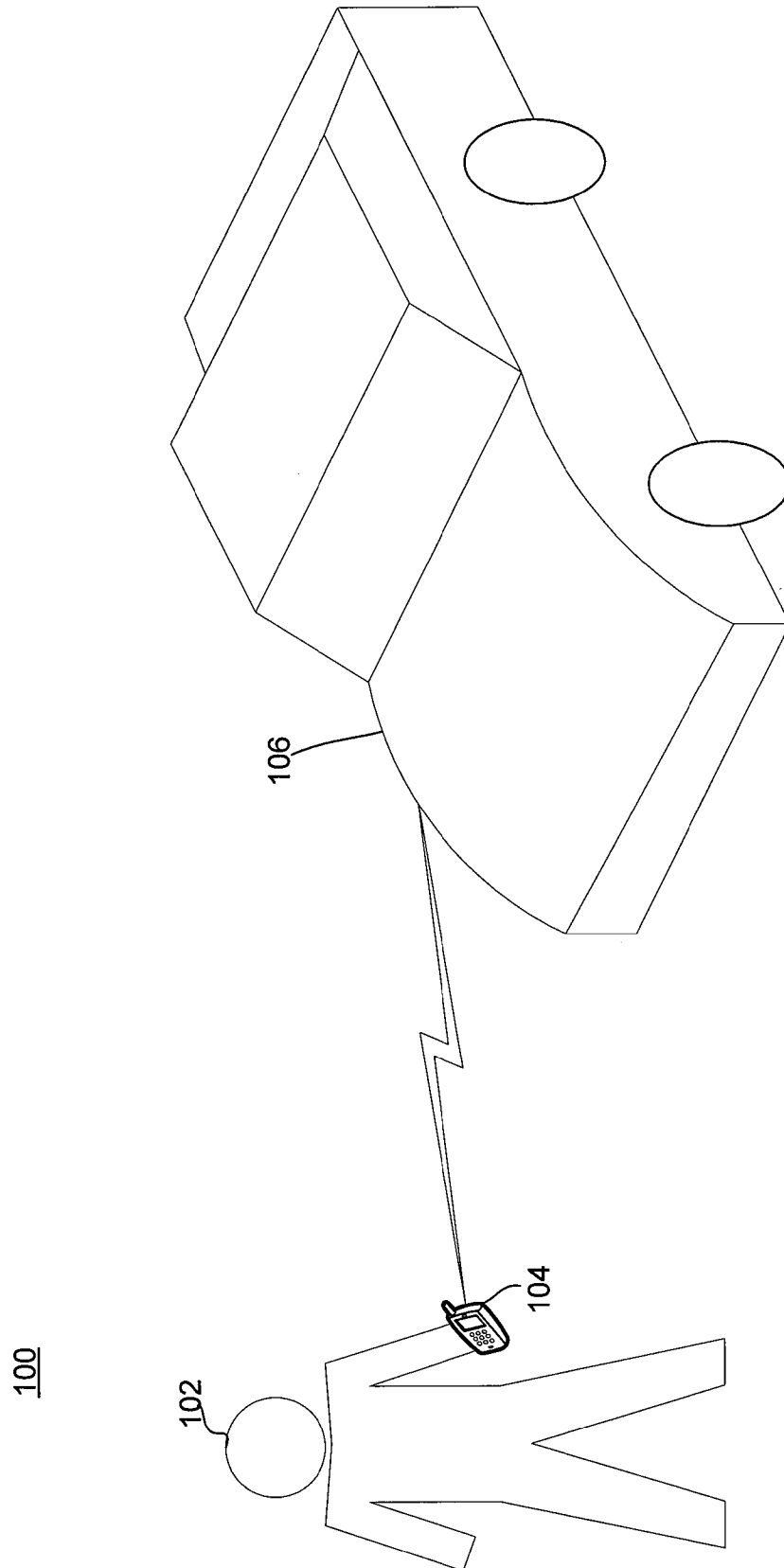
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FIG. 1



*FIG. 2*

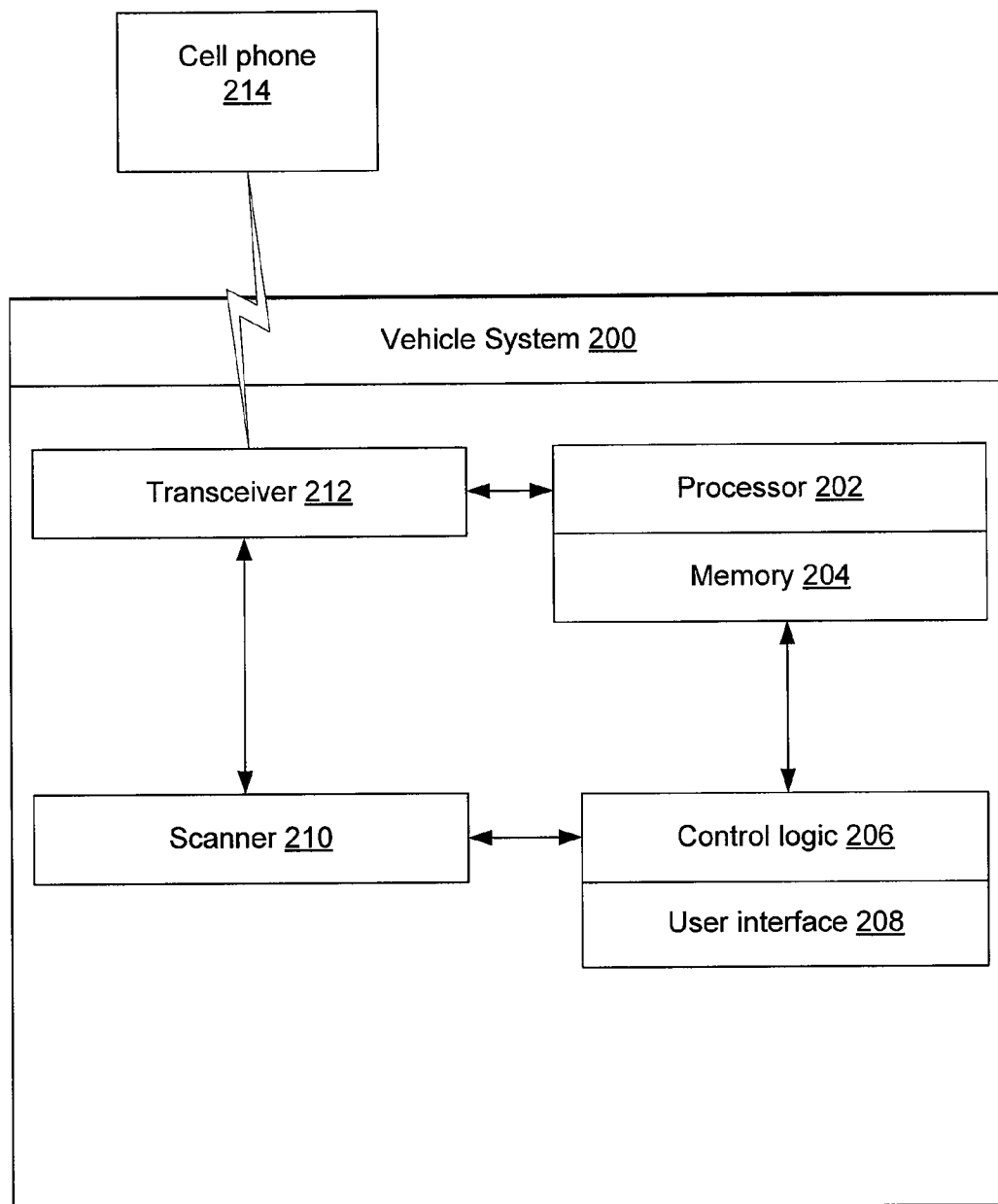


FIG. 3

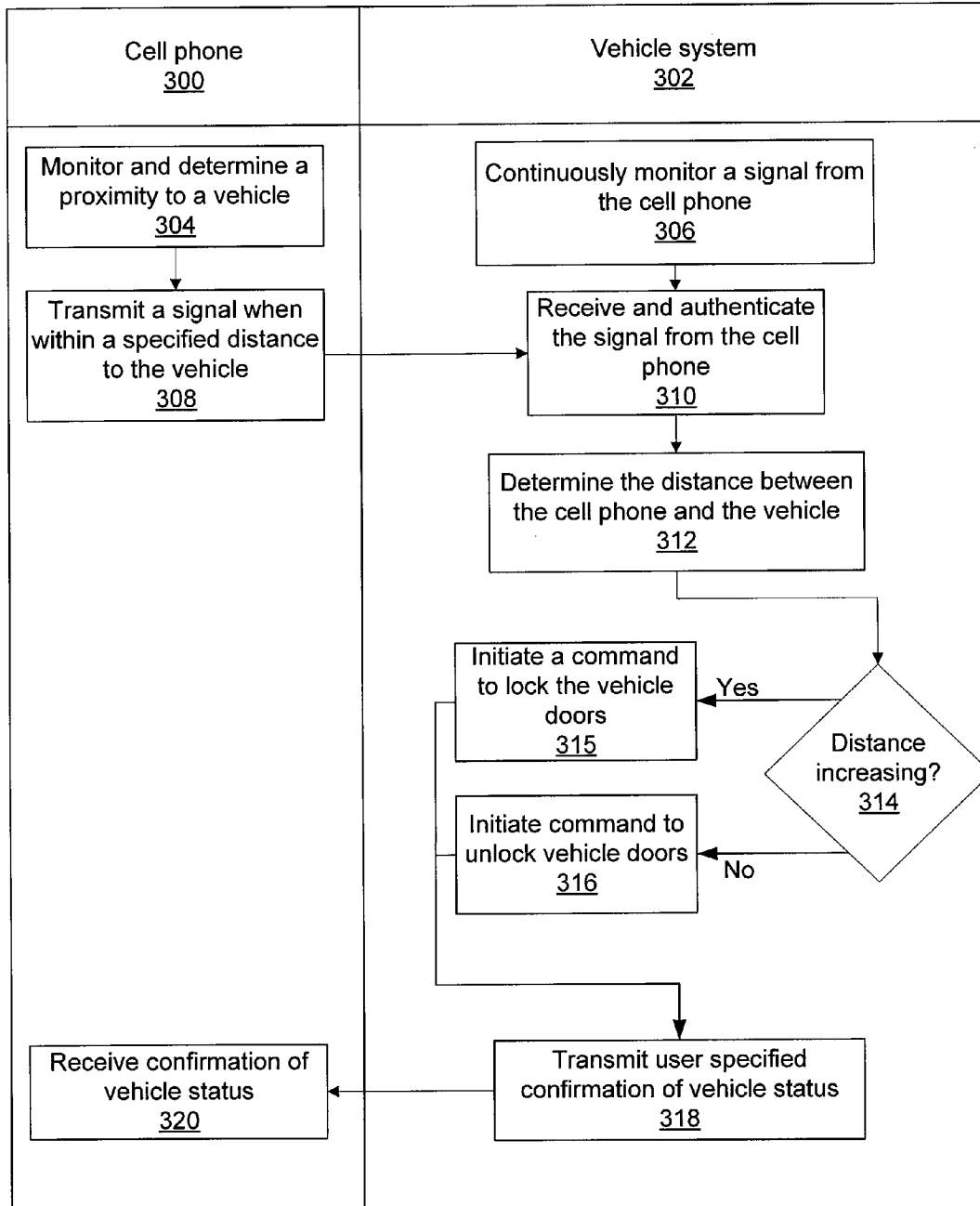
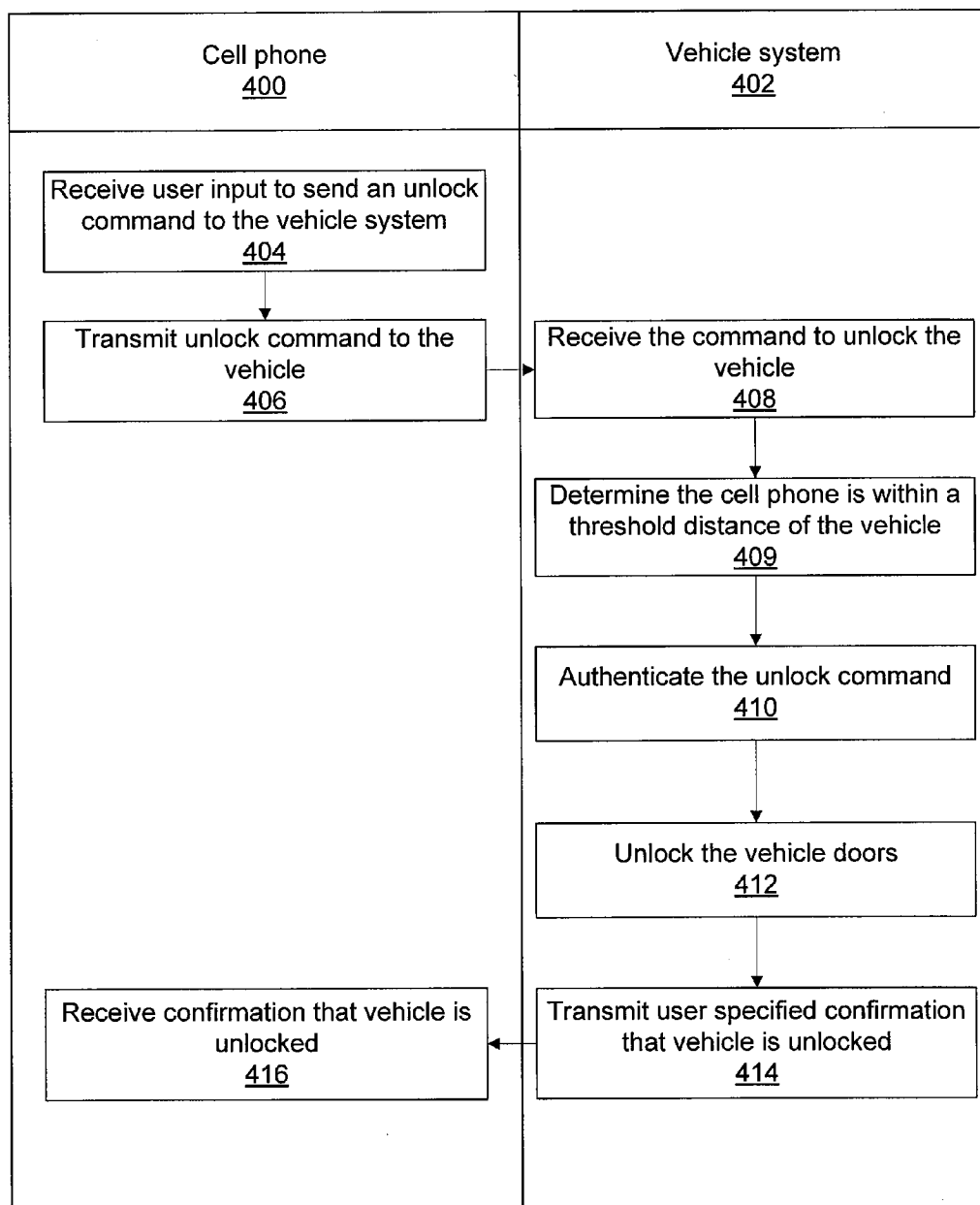


FIG. 4



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