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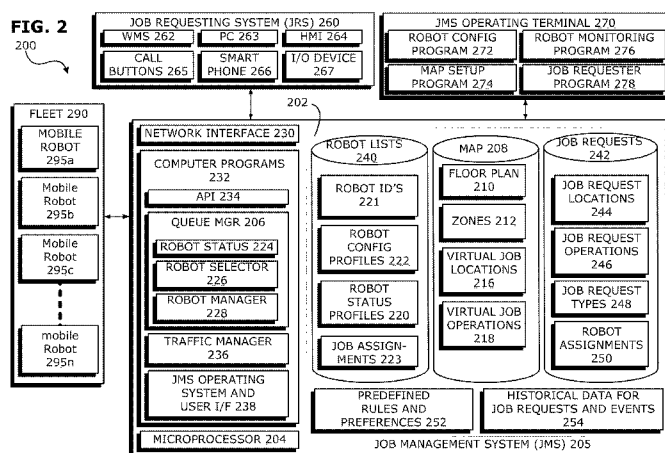
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(54) Title: JOB MANAGEMENT SYTEM FOR A FLEET OF AUTONOMOUS MOBILE ROBOTS



(57) Abstract: The Job Management System (JMS) of the present invention processes job requests in an automated physical environment, such as a factory, hospital, order processing facility or office building, wherein the job requests are handled by a fleet of autonomously-navigating mobile robots. The JMS includes a map defining a floor plan, a set of virtual job locations and a set of one or more virtual job operations associated with virtual job locations. The JMS automatically determines the actual locations and actual job operations for the job requests, and intelligently selects a suitable mobile robot to handle each job request based on the current status and/or the current configuration for the selected mobile robot. The JMS also sends commands to the selected mobile robot to cause the mobile robot to automatically drive the actual job location, to automatically perform the actual job operations, or both.