



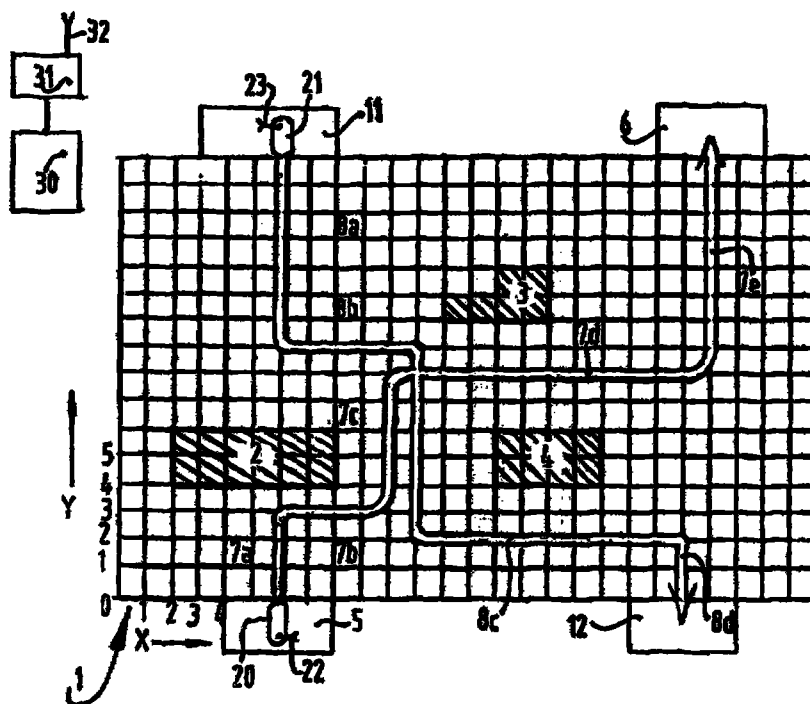
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(54) Title: SYSTEM AND METHOD FOR CONTROLLING OF VEHICLES

(57) Abstract

The invention relates to a system for simultaneously navigating two or more vehicles over a surface of relatively limited dimensions at relatively high speed and/or density of these vehicles, comprising: a central control unit (30) at least provided with a computer with memory and a transmitter/receiver (31) for communication with each of the vehicles; marker elements which are arranged on or above the surface and which mark a position relative to the surface; and two or more vehicles which are each provided with drive means for driving the vehicle, steering means for steering thereof, navigation means for plotting a route, a transmitter/receiver for communication with the central control unit and sensor means for sensing the



position relative to the marker elements; wherein the vehicles move over the surface in the same time period along possibly colliding routes and wherein the position and speed of the vehicles are predetermined precisely in time relative to the marker elements and is maintained accurately relative to the marker elements during travel such that the effort required in respect of traffic control and/or communication with the central control unit and/or with another vehicle can be reduced considerably.