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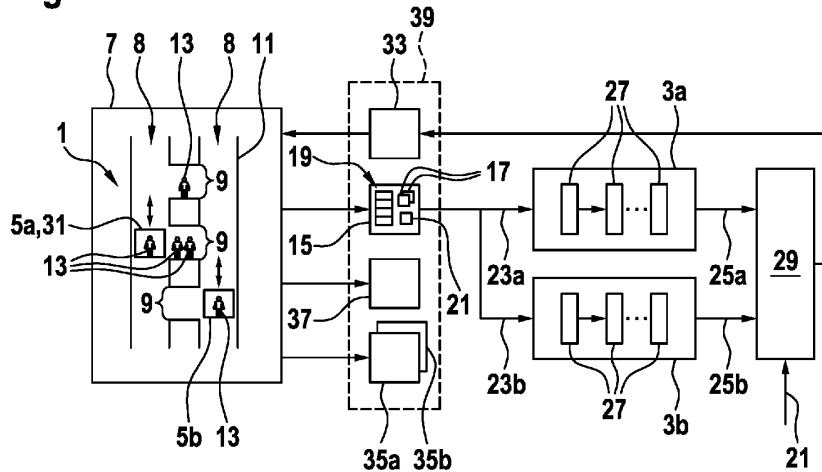
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(54) Title: METHOD FOR TRAINING MULTIPLE ARTIFICIAL NEURAL NETWORKS TO ASSIGN CALLS TO CARS OF AN ELEVATOR

Fig. 1



(57) Abstract: A method for training neural networks (3a, 3b) to assign calls (21) to cars (5a, 5b) of an elevator (1) comprises: simulating, in a series of simulation steps, an environment (7) in which a first car (5a) and a second car (5b) move between floors (8) of a building (11) in reaction to calls indicating desired floors, wherein each simulation step comprises: determining a current state (15) of the environment (7), the current state including a current position (17) of each car, a list (19) of current calls and a new call (21); inputting first input data (23a) encoding at least a part of the current state into a first neural network (3a) configured to convert the first input data into a first output value (25a) indicating a probability and/or tendency for the first car to be assigned to the new call; inputting second input data (23b) encoding at least a part of the current state into a second neural network (3b) configured to convert the second input data into a second output value indicating a probability and/or tendency for the second car to be assigned to the new call; determining a selected car (31) using the output values; assigning the new call to the selected car, wherein reward values (35a, 35b) quantifying a

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usefulness of the assignment (33) are determined; training the neural networks using the reward values from past simulation steps to increase the usefulness of assignments performed at future simulation steps.