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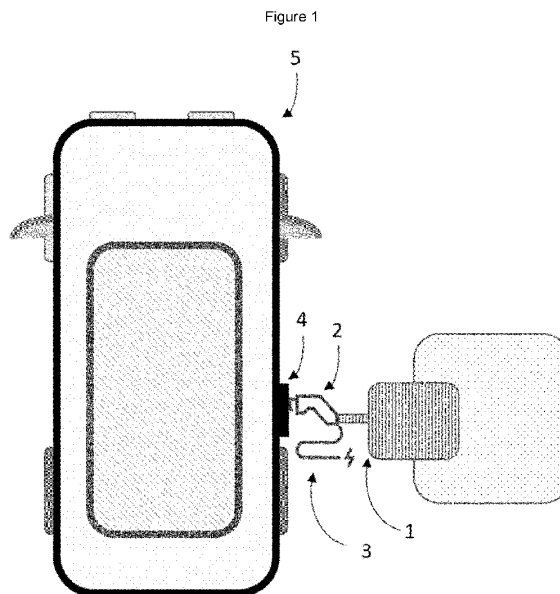
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(54) Title: METHOD AND SYSTEM FOR CALIBRATING AN AUTONOMOUS CHARGING DEVICE (ACD)



(57) Abstract: The present invention relates to a method for calibrating one or more autonomous charging devices (ACD) and/or components thereof, the ACD comprising an end effector for supporting and moving a vehicle charging connector, a motion control unit, and a computer vision unit for socket-pose estimation, the computer vision comprising at least a baseline neural network, the motion control unit being configured to control the motion of the effector for plugging the connector into a vehicle socket using a pose estimation from the computer vision unit.

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