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## Patent Search

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#### Abstract:

COMPUTERIZED ROBOTIC SYSTEMS USE ELECTRONIC LIBRARIES AND TRANSFORMED INSTRUCTIONS TO REPLICATE MOVEMENTS WITH MINI MANIPULATIONS A met development of the primitives is defined by motions/actions of articulated degrees of freedom that range in complexity from simple to complex, and which can be co any form in serial/parallel fashion. a robotic control platform, comprises one or more sensors; a mechanical robotic structure including one or more end effectors, ar more robotic arms. The object libraries include interaction data corresponding to the respective identified one or more interactions. At least a portion of the one or m interactions are executed upon the respective one or more objects. The multi-functional robotic platform includes a robotic kitchen for calibration with either a joint s trajectory or in a coordinate system like a cartesian coordinate for mass installation of robotic kitchens. Scalability in the mass production of a robotic kitchen system by calibration verifications and Mini manipulation library adaptation and adjustment of any serial model or different models. These procedures also provide ways to c each produced robotic kitchen system satisfies the operational requirements. Anthropomorphic robots serve as an example of how mini-manipulations represent a r approach to developing a universal programming platform. FIG.1

#### Complete Specification

Description:COMPUTERIZED ROBOTIC SYSTEMS USE ELECTRONIC LIBRARIES AND TRANSFORMED INSTRUCTIONS TO REPLICATE MOVEMENTS WITH MINI MANIPUL Technical Field

[0001] The embodiments herein generally relate to a method for computerized robotic systems use electronic libraries and transformed instructions to replicate movements with mini manipulations.

Description of the Related Art

[0002] Since many years ago, robotics research and development has been carried out, although the majority of the advancements have been made in the militar heavy industrial uses, such as the automation of the vehicle production process. With improved artificial intelligence and the imitation of human skills and tasks in a of ways while operating a robotic device or a humanoid, robotics has continued to advance automation technology. Although simple robotics systems have been cr for consumer markets, there hasn't been much use of them in the home-consumer robotics area up to this point. Simple robotics systems have been designed for t consumer markets, but they have not seen a wide application in the home-consumer robotics space, thus far. As the research and development in the robotic indu accelerated in recent years, both in consumer robotics, commercial robotics and industrial robotics, companies are working to design robotic products that can be s and widely deployed in their respective regions and worldwide.

[0003] With improved artificial intelligence and the imitation of human skills and tasks in a variety of ways while operating a robotic device or a humanoid, robotic continued to advance automation technology. Robots have been employed in manufacturing industries for a long time in teach-playback mode, where the robot is using a pendant or offline fixed-trajectory generation and download, which causes the robot to conv actions constantly and without interruption. Businesses have ;

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