



TECHNOLOGY

Modular Dexterous Hand

OVERVIEW

Researchers at the University of Maryland, Institute of Systems Research, have designed and built a two-stage mechanism for grasping and fine manipulation of objects by robots.

The "Modular Dexterous Hand" is useful in any application which requires grasping and precise manipulation of objects whose shape is not a design parameter. Examples include robots grasping objects in space, underwater and in hazardous environments. The invention is expected to find use in tasks such as inspection, fine manipulation, assembly, or sample gathering. Certain aspects of the invention are continuing to be developed and improved. Work is currently focused on computer control.

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Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

A U.S. patent, #5,052,736, has been issued on this technology.

LICENSE STATUS

Available for exclusive license

EXTERNAL RESOURCES

02-88-030