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(71) Applicant: **RAYTHEON COMPANY** [US/US]; 870
Winter Street, Waltham, Massachusetts 02451-1449 (US).

(72) Inventors: **DIAZ, Jayson**; 90 Sylvan Street, Apt. 11, Mel-
rose, Massachusetts 02176 (US). **MICELI, David A.**; 516

Martins Pond Road, Groton, Massachusetts 01450 (US).
MURPHY, William J.; 29 Beaver Brook Road, Waltham,
Massachusetts 02452 (US). **STANGAS, Nicholas**; 80 1st
Street, Tewksbury, Massachusetts 01876 (US).

(74) Agent: **DIMOV, Kiril, O.** et al.; Daly, Crowley, Mofford
& Durkee, LLP, One University Avenue, Suite 201B, West-
wood, Massachusetts 02090 (US).

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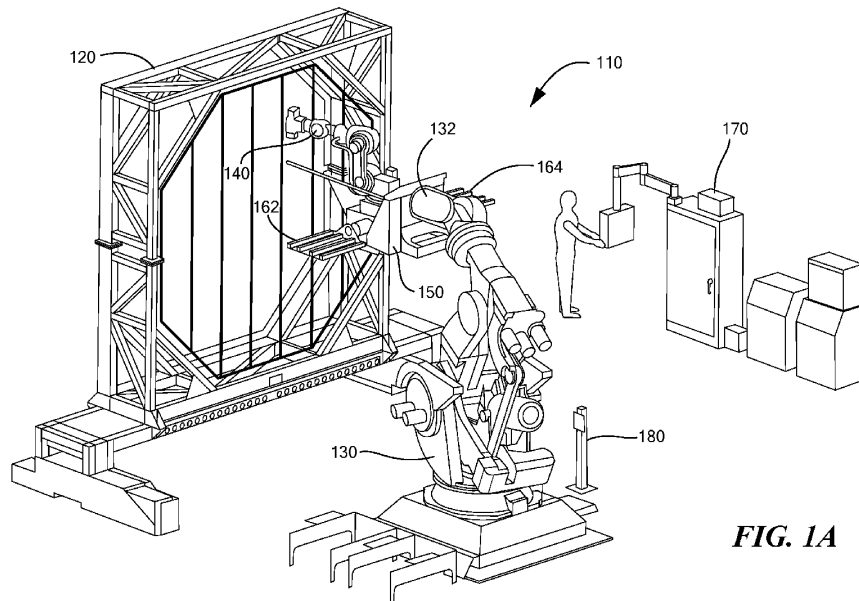


FIG. 1A

(57) Abstract: An automated radar assembly system is disclosed, comprising: a first robotic device coupled to a cradle, the first robotic device having a first working envelope; a second robotic device coupled to the first robotic device via the cradle, the second robotic device having a second working envelope that is smaller than the first working envelope; a part stand coupled to the cradle, the part stand being arranged to carry: a part; and a controller operatively coupled to the first robotic device and the second robotic device, the controller being configured to: cause the first robotic device to position the second robotic device at a first location relative to a radar array chassis, and cause the second robotic device to pick up the part from the part stand and install the part at a second location in the radar array chassis.

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