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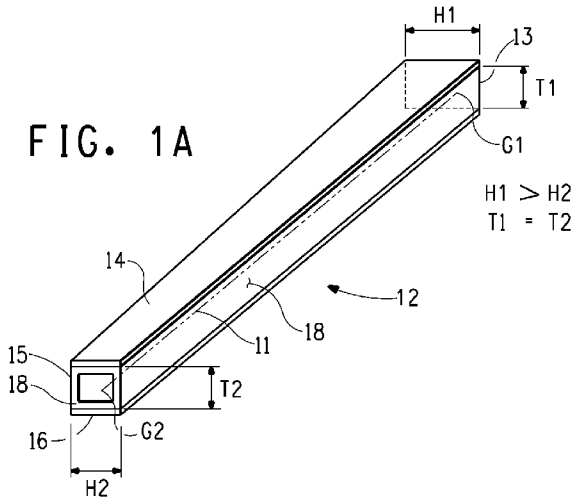
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(54) **Title:** AN END EFFECTOR OF A ROBOT FOR TRANSPORTING SUBSTRATES

FIG. 1A



(57) **Abstract:** An end effector of a substrate transport robot includes an upper plate made of fiber-reinforced plastic (FRP); a lower plate made of fiber-reinforced plastic (FRP); and an intermediate member arranged between the upper plate and the lower plate and selected from the group consisting of aluminum, stainless steel and honeycomb-shaped fiber-reinforced plastic (FRP). Further, a substrate transport robot is equipped with the above end effector.

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