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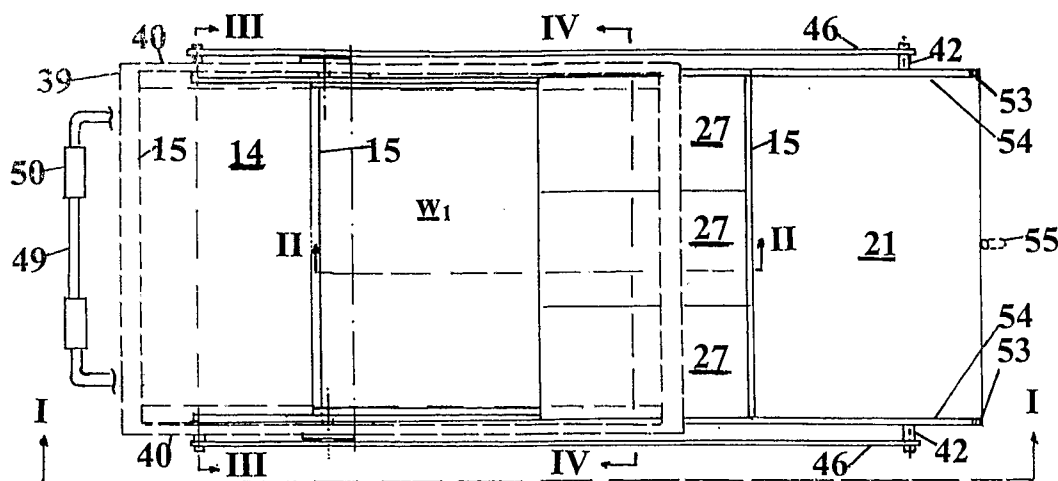
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ACHIEVING WORLDWIDE REDUCTION OF CARBON DIOXIDE EMIS-
SIONS AND DEFORESTATION



(57) Abstract: Method and apparatus enabling worldwide reduction of carbon dioxide emissions and/or deforestation, personal clean energy system providing for cooking and/or electricity needs, earning emission credits, monetizing values of tradable emission rights/credits accruing from emissions avoided by using the apparatus to pay for the cost of the apparatus and/or to provide ongoing revenue thereby inducing many people to substitute carbon containing fuels for cooking and/or electricity needs by a synergic combination of cooking 0 and/or electricity generation 21 on sunlight H through a low cost two-axis easy sun tracking mechanism including a bendable mirror 14 having variable curvatures r_m and tilt angles s_m optimized for the solar altitudes α_s at the latitudes, seasons and day times from equator to arctic, resulting in greatly augmented cooking power enabling high quality meals 0 through much shorter cooking times and/or longer/higher PV cell 21 outputs charging batteries 24 powering lights, refrigerator, television, computer, enabling worldwide education and sustainable development.



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