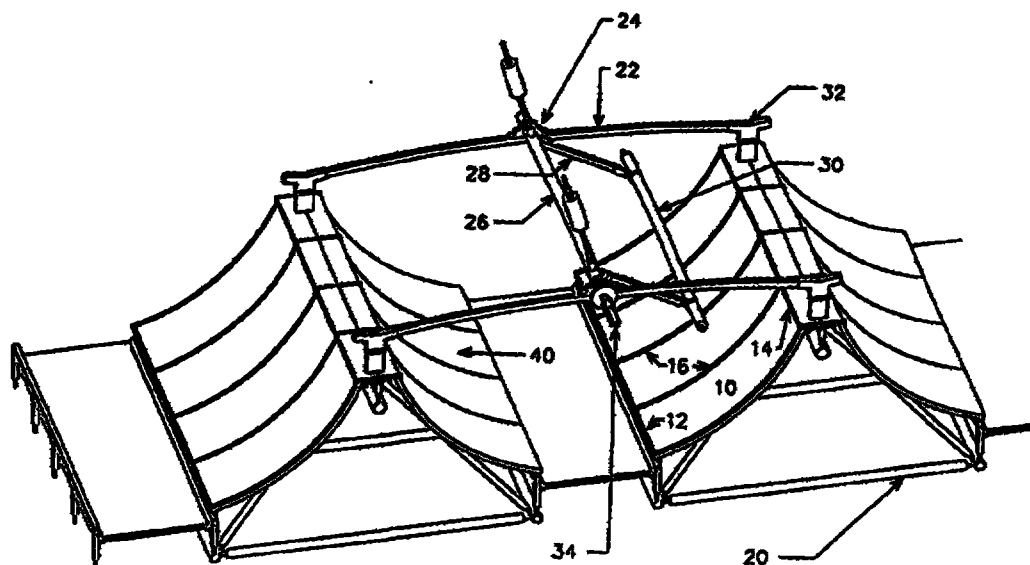


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(54) Title: AN IMPROVED SOLAR ENERGY CONCENTRATING SYSTEM HAVING A NOVEL FOCAL COLLECTION ZONE



(57) Abstract

The present invention relates to an improved solar energy concentrating system and to a preferred novel focal collection zone for such a system. In general, the system comprises a moveable solar energy collector (30) supported above a cylindrically arcuate solar energy concentrating reflector (10). The solar energy collector (30) has a compound parabolic non-imaging shape. In a preferred embodiment, instead of positioning the collector (30) to rotate about the center of curvature of the reflector and to extend down halfway between the center of curvature and the reflector, in the present invention, the solar collector extends further (29) down according to a particular algorithm.