



Instalație de turnare centrifugală a concentratoarelor paraboloidale de radiație solară

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București

The article presents a technical solution for developing a centrifugal casting installation of solar radiation paraboloidal concentrators, with focalization precision and high concentration report. The fluid used for centrifugation can be an epoxidic resin, with solidification time between 1 and 4 hours, depending on the quantity of resin used. Utilization efficiency of solar radiation paraboloidal concentrators in technical applications depends on: technical performances of the centrifugal casting installation of the paraboloidal concentrator; quality of the technical modalities which perform the covering operation of the reflected surface of the conoid, by aluminizing in vacuum or other proper procedure, this being cast before by centrifugation; endowment of the paraboloidal concentrator with an automatic system of orientation, after the solar incidence.