

0. Research and Development on High Performance Solar Water Heating Plant of the New Kind and Containing Heat Pipes as a Core

1. **State registration** - 0109U001512
2. **head** – Rassamakin Boris M.
3. **Results.**

Autonomous storage plant of the new kind for domestic water heating by means of solar energy is the object of the development, and solar thermal collector of the new kind, which contains high-performance heat transfer devices – heat pipes as a core, is the subject of the development. For the first time in Ukraine operating mock-up of the plant, which functions without electric power consumption, has been manufactured; its working thermal efficiency value is within 0.5 – 0.65, and maximal obtainable temperature value of the heated water is 65 C deg.

Back