

Method for heat transfer from geo-thermal source to remote consumer includes transfer of low-potential geo-thermal heat through heat exchanger and heating main. Preliminarily one fills with gaseous hydrogen heat transportation system, heat is supplied to the first metal-hydride generator-sorber at geo-thermal site where hydrogen is liberated with excess pressure, this by pipeline is transferred to the second generator-sorber to boiler unit of build-up area. Heat is liberated, this is discharged to heat accumulator. After that one performs regeneration of heat in the first and the second generators-sorbers, one supplies part of heat from heat accumulator to the second generator-sorber, with repeating the process in reversed order to first generator-sorber, and then – in cyclic automated mode by means of system of automated control. Device for implementation of the method has pipelines and control valves. Heat transportation system has on pipeline in generator-sorbers two-position valves, and on pipeline for supply – discharge heat to the first and the second generators – sorbers three-channel valves are installed, each of those is equipped with electric-remote drive of system of automated control.