

ABSTRACT

Disclosed are a fluid connector and an energy storage and heat dissipation system. The fluid connector (1000) is formed by means of injection-molding engineering plastic and comprises a male end connector (100) and a female end connector (200). The male end connector comprises a male end main body (101) and a valve head assembly, and the valve head assembly blocks the male end main body. The female end connector comprises a female end main body (201) and a valve core assembly, and the valve core assembly blocks the female end main body. The male end main body is insertedly connected to the female end main body, and when the male end body and the female end body are inserted in place, the valve head assembly and the valve core assembly are both opened, so as to place the male end connector and the female end connector in communication. When the male end main body and the female end main body need to be separated, the valve head assembly blocks the male end main body, and the valve core assembly blocks the female end main body, such that liquid in a pipe to be connected connecting the male end main body and the female end main body is prevented from flowing out. The fluid connector is low in cost, surface reprocessing is not needed, batch production can be achieved, and production efficiency is high.

FIG. 5