

ABSTRACT OF THE DISCLOSURE

HEAT EXCHANGER FOR REGULATING SURFACE TEMPERATURE OF A POLISHING PAD, POLISHING APPARATUS, POLISHING METHOD, AND MEDIUM STORING COMPUTER PROGRAM

A heat exchanger which can allow a surface temperature of a polishing pad to promptly reach a target temperature and can realize a uniform distribution of the surface temperature of the polishing pad is disclosed. The heat exchanger includes a pad contact surface capable of contacting the polishing pad, a heating flow passage through which a heating fluid is to flow, and a cooling flow passage through which a cooling fluid is to flow. The heating flow passage and the cooling flow passage are arranged side by side from beginnings to ends thereof, and the heating flow passage and the cooling flow passage cross each other at different levels at a peripheral portion of the pad contact surface.

FIG. 2