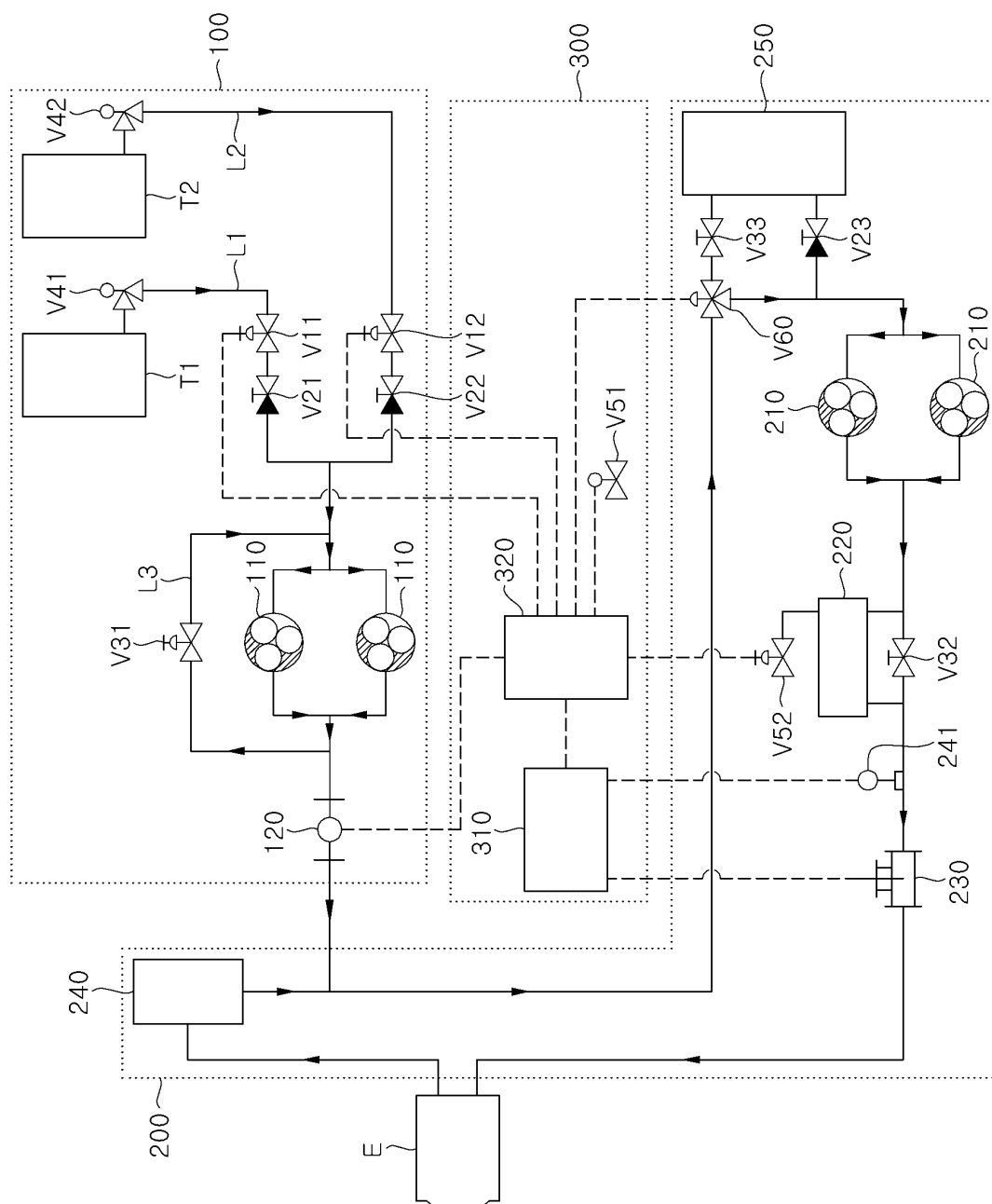


【FIG. 1】



The diagram illustrates a complex power plant system, likely a Pressurized Water Reactor (PWR) or a similar design. The system is divided into three main functional areas:

- Steam Generator (200):** Located on the left, it includes a primary loop with pumps 110 and 120, and a secondary loop with pumps 210 and 230. It is connected to a steam generator 240 and a condenser 245.
- Reactor (300):** The central component, it contains a core (320) and is surrounded by a moderator/coolant system. It includes a primary loop with pumps 110 and 120, and a secondary loop with pumps 210 and 230. It is connected to a steam generator 240 and a condenser 245.
- Turbine (250):** Located on the right, it is driven by steam from the steam generator 240. It includes a turbine 250, a generator 251, and a condenser 252.

The system is controlled by a series of valves (V21, V22, V31, V32, V33, V41, V42, V51, V52, V60) and heat exchangers (220, 240, 245). The diagram shows the flow of coolant and steam between these components, with arrows indicating the direction of flow.