

(57) Abrégé(suite)/Abstract(continued):

representative of a temperature of liquid in the upper portion of the tank, a lower electric heating element extending through a lower portion of the interior of the tank, a lower temperature sensor operative to sense a temperature representative of a temperature of liquid in the lower portion of the tank, and a control system for controlling, in a non-simultaneous actuation manner, the upper and lower electric heating elements, and is operative to satisfy a heat demand in the upper and/or lower portions of the interior of the tank according to detected temperatures. An electric water heater having an adjustable set point temperature and differential temperature is also provided.

