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The invention relates to the field of electrical engineering, namely to processes for producing heat using an electric-arc discharge.

The process for producing heat using an electric-arc discharge comprises connection of a constant-current source, to which are attached a lower electrode, made of solid material, placed in a lower container filled with water, which contains electroconductivity increasing substances, and an upper electrode, made of solid material of *n* parts, where *n* is in the range of 6…12, placed in the ends of the pipelines, along the circumference, at the same distance from each other, at the same time the other ends of the pipelines communicate with an upper container filled with water, which contains electroconductivity increasing substances, water supply, from the upper tank, of pipelines with the formation of water jets, directed to the same point in the center of the lower tank with the creation of an electric-arc discharge on the water surface, transfer of the heat created by the electric-arc discharge to the heat-transfer agent, and then through a heat exchanger to the consumer.

Claims: 2
Fig.: 3