

ABSTRACT

LIQUID PROCESSING APPARATUS

5 A liquid processing apparatus includes a processing tank, a first
electrode, an insulator, a liquid introduction port, a discharge portion, a second
electrode, an opening portion, and a power supply. The first electrode is
disposed at the first end of the processing tank. The insulator covers at least a
part of a side surface of the first electrode disposed to protrude from an inner
10 wall of the first end of the processing tank into the processing tank. The liquid
introduction port causes a liquid to swirl by introducing the liquid in a
tangential direction of the processing tank and generates a gas phase in a
swirling flow of the liquid. An outer diameter of the insulator is smaller than
an outer diameter of a gas-phase generating space where the gas phase is
15 generated in the processing tank.

[FIG. 1]