

EJECTOR
ABSTRACT OF THE DISCLOSURE

An ejector (16) includes a nozzle (16a) for decompressing a fluid in any one state of a gas-liquid state, a liquid state and a super-critical state, and a body portion (16b) having a fluid suction port (16d) and a mixing and pressurizing portion (16e).

5 The ejector is provided with a suction passage (16i) through which a fluid drawn from the fluid suction port flows into the mixing and pressurizing portion. The suction passage (16i) is changed such that the fluid drawn from the fluid suction port is decompressed in the suction passage in iso-entropy. Alternatively, the suction passage is changed such that a flow velocity of the fluid flowing into the mixing and
10 pressurizing portion from the suction passage is substantially equal to a flow velocity of the fluid flowing from a jet port of the nozzle into the mixing and pressurizing portion, or is equal to or larger than the sound velocity.

Figure 2A