

## ABSTRACT OF THE DISCLOSURE

The present invention provides a simply constructed, improved pulse combustor realizing stable pulse combustion with less noise and vibration. The pulse combustor includes: a combustion chamber; a mixing chamber coupled with the intake side of the combustion chamber via a first opening provided with a frame trap; and an air chamber connecting to the mixing chamber via second opening. The second opening is eccentric with respect to the first opening. The fuel gas and air are simultaneously supplied through the second opening to the mixing chamber, sufficiently mixed in the mixing chamber, and fed into the combustion chamber. The exhausted gas flown back through the frame trap is diluted with the air/fuel mixture in the mixing chamber and again fed into the combustion chamber for continuous combustion while the reverse pressure is efficiently reduced by the mixing chamber and the air chamber.

---

This Sheet Has Been Replaced

