

ABSTRACT

[Object] The purpose of the present invention is to develop a method of manufacturing polycrystalline silicon rod by Siemens method improved in that circulation of raw material gas is excellent in an upper section and an lower section inside a bell jar by improving flow of a silicon deposition raw material gas from gas supply nozzles, and by strengthening the force of a gas flow.

[Solving Means] Disclosed herein is a method of manufacturing polycrystalline silicon rod, wherein a reactor for manufacturing a polycrystalline silicon rod includes gas supply nozzles, and at least one nozzle is a flow rate amplification nozzle having function that the amount of a silicon deposition raw material gas supplied to the nozzle can be increased.

[Fig. 1]