

Title (en)
NANOFIBER MANUFACTURING DEVICE AND HEAD USED FOR SAME

Title (de)
NANOFASERHERSTELLUNGSVORRICHTUNG UND DAFÜR VERWENDETER KOPF

Title (fr)
DISPOSITIF DE FABRICATION DE NANOFIBRES ET TÊTE UTILISÉE POUR CELUI-CI

Publication
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Application
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Abstract (en)
An object of the present invention is to provide an apparatus for producing nanofibers and a nozzle head use for the same which can be manufactured by drilling and is capable of efficiently carrying molten resin on a gas flow. A nozzle head 20 of an apparatus for producing nanofibers 1 comprises a raw material discharge surface 22 on which a raw material flow passage 25 for discharging a liquid raw material is arranged, and a gas discharge surface 23 which is arranged with an angle α ($0 < \alpha \leq 90^\circ$) toward the raw material discharge surface 22 and on which a gas flow passage 26 for ejecting gas is arranged. The raw material flow passage 25 is orthogonal to the raw material discharge surface 22, the gas flow passage 26 is orthogonal to the gas discharge surface 23, and the raw material flow passage 25 and the gas flow passage 26 are arranged so that the liquid raw material discharged from the raw material flow passage 25 meets gas ejected from the gas flow passage 26.

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