

Jet multi-stage propulsion unit consists of several pipe plug-stages that are filled with fuel charges with progressive form of burning, connected to each other along long axes and have ignition appliances inside those, and in back parts – jet nozzles with axial symmetry. All the stages except of the last one have in front of those opened front edges, and inside there are arranged one in each, bended forward as truncated cone or section of ellipsoid transverse partition with opening in front part, this separates the cavity of the stage into two parts. Fuel charge with progressive form of burning is in the back one of those only. Each stage is installed to inside of the back side, is tightened with it with side walls and rests with the end of jet nozzle at outer part of the partition. Each ignition unit is fixed in the opening of the partition and is arranged with possibility of delay in ignition of fuel charge in the front with respect to it stage.