

Method for gas-laser cutting of materials, in which laser radiation is directed into the cutting zone of the workpiece coaxially with the working gas jet formed by the conical nozzle of the laser cutter, and the relative movement of the workpiece and the laser radiation within the cutting zone is carried out using a two-axis table. An auxiliary device is installed coaxially with the conical nozzle of the laser cutter, which is made with the possibility of rotation around the conical nozzle and reciprocating movement relative to it, and the control of the rotational and reciprocating movements is carried out using a software controller, functionally connected with the control program of the two-axis table, wherein the software control of the controller ensures the constant location of the auxiliary device behind the conical nozzle relative to the cutting direction and the placement of its axis along the trajectory of the formed cut.