

**PLASMA TORCH WITH AN ADJUSTABLE INJECTOR AND GAS
ANALYSER USING SUCH A TORCH**

ABSTRACT

This plasma torch (10) for the excitation of a gas for the purpose of analysing it comprises a tubular injector (12), intended to be connected to a source for supplying a gas to be analysed, and an external cylindrical sleeve (14) coaxial with the injector (12) and defining a cylindrical annular channel (32) for supplying a plasma gas, intended to be connected to a corresponding supply source for the purpose of generating a plasma (P). The diameter of the injector (12) can vary.

Fig. 2 to be reproduced