

ABSTRACT**Title of the invention: Device for treating exhaust fumes emitted by a fuel-consuming apparatus**

Device (300) for treating at least a portion of the exhaust fumes emitted by at least one fuel-consuming apparatus (100), the treatment device (300) comprising at least one compression member (320) designed to raise a pressure of at least a portion of the exhaust fumes (FE1) emitted by the fuel-consuming apparatus (101), and at least one unit (310) for capturing carbon dioxide present in the exhaust fumes (FE), the compression member (320) and the unit (310) for capturing carbon dioxide being arranged between the fuel-consuming apparatus (101) and a turbocharger (120), a turbine (122) of which is designed to be powered by the exhaust fumes (FE2, FE3) and a compressor (121) of which is designed to supply the fuel-consuming apparatus (101) with oxidizer.

Fig. 1