

(57) **Abrégé(suite)/Abstract(continued):**

cooling (10) which suck air from the environment via an inlet (11) and blows it back to the environment through the case (2) and via an exhaust (12) and a cooling circuit (13) for the cooling of the gas which has been compressed by the compressor element (6), characterized in that the control box (8) is equipped with an algorithm (24) that reduces the abovementioned maximum allowed set number of revolutions (Nmax) to a defined level as soon as the monitored environmental temperature (T20) rises above a maximum set level (Tmax) , and the maximum allowed set number of revolutions (Nmax) again rises as soon as the environmental temperature (T20) falls below the above mentioned level (Tmax) .

