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(54) **SYSTEM FOR LUBRICATING AND COOLING A MECHANICAL ASSEMBLY**

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(57) **ABSTRACT**

System for lubricating and cooling a mechanical assembly  
According to the invention, this system comprises a main device (2) and an auxiliary backup device (3), which comprises:

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at least one reservoir (10) of lubricating and cooling liquid independent of the main device (2);

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at least one source (11) of pressurized gas; and

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at least one spray nozzle (17, 18) which is fed, on the one hand, with lubricating and cooling liquid at a pressure at most equal to 2 bar ( $2 \cdot 10^5$  pascal) from said reservoir (10) and, on the other hand, with pressurized gas from said source (11), said nozzle being able to spray a mist of lubricating and cooling liquid onto said mechanical assembly (1) so as temporarily to supplement the defective main device (2).

