bly so that said lubricating and cooling liquid it contains does not experience the effect of the heat given off by said mechanical assembly.

14. The system as claimed in claim 11, wherein the lubricating and cooling liquid contained in said reservoir is pressured by said source of pressurized gas feeding said spray nozzle.

15. The system as claimed in claim 11, wherein the lubricating and cooling liquid contained in said reservoir is pressured by an auxiliary gas source independent of said pressurized gas source feeding spray nozzle.

16. The system as claimed in claim 11, in which said mechanical assembly is driven by an engine provided with at least one compressor stage,

wherein said source of pressurized gas feeding said spray nozzle is formed by said compressor stage.

17. The system as claimed in claim 15, wherein said auxiliary gas source, independent of said pressurized gas source feeding spray nozzle, comprises a pressurized gas container.

18. The system as claimed in claim 11, comprising a number of spray nozzles,

wherein said nozzles are fed with the pressurized gas and with the lubricating and cooling liquid through a splitter.

19. The system as claimed in claim 18,

wherein said nozzles are split into groups and all the nozzles in one group are fed with the pressurized gas and with the lubricating and cooling liquid by a common feed device, all said common feed devices themselves being fed with the pressurized gas and the lubricating and cooling liquid by said splitter.

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