

Title (en)

Method and device for intervalwise spraying of a suspension of lubricant.

Title (de)

Verfahren und Einrichtung zum intervallweisen Versprühen einer Schmiermittel-Suspension.

Title (fr)

Procédé et dispositif pour une atomisation intermittente d'une suspension de lubrifiant.

Publication

EP 0448944 B1 19940914 (DE)

Application

EP 91101905 A 19910211

Priority

CH 99690 A 19900326

Abstract (en)

[origin: CA2038697A1] A lubricant suspension is sprayed intermittently under high pressure by spray nozzle (4). Spray nozzle (4) operates like an excess pressure valve, by it opening automatically with the input pressure of the suspension exceeding a threshold value pressure and closing automatically in the case of the input pressure falling short of the threshold value pressure. The suspension is conveyed, without the interposition of a shutoff device, directly by pneumatically driven pump (2) to spray nozzle (4). The pump output pressure is maintained at a pause pressure in the pauses between the spraying intervals, is increased to the spraying pressure to spray the liquid, and is again lowered to the pause pressure at the end of the spraying interval. The pause pressure in this case is calculated so that it is just insufficient in value to open spray nozzle (4). The shutoff element subject to abrasion, previously necessary, between the pump and the spray nozzle becomes unnecessary by the pump pressure control according to the invention. The operating safety is significantly increased and the spraying starts immediately without delay when the pump pressure is increased.

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