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Liao

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- [54] **PNEUMATIC OIL LUBRICATOR**
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- [58] Field of Search **184/6.4, 6.28, 31, 55.1, 184/105.2; 418/270; 417/406; 248/129; 220/737; 280/47.34, 79.2, 79.5 CV; 137/87**

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[57] ABSTRACT

A pneumatic oil lubricator for lubricating replenishment mainly has a pneumatic oil pump for pumping oil from a oil reservoir to an oil outlet unit, such as an oil gun. An automatic controlling apparatus is provided which has a hollow unit sleeve, a piston disposed in the hollow unit sleeve, and a spring mounted on the piston. The piston has interior air passage formed at one end thereof. The entrance and the exit of the interior air passage are faced to the second connecting inlet and the connecting outlet respectively. In which, the hollow sleeve has a first and a second connecting inlets at its two end and an connection outlet. The first connecting inlet is linked to an air compressor, the first connecting outlet is linked to the air outlet unit, and the connecting outlet is linked to an air inlet of the pneumatic oil pump. Since the oil pressure alters according to the switching on or off of the oil outlet unit, the piston will be driven to move in the unit sleeve that the interior air passage can be kept opened or closed. Thus, when the oil outlet unit is switched off, the interior air passage will be closed to stop the air flowing to the pneumatic oil pump that the pneumatic oil pump is stopped automatically without electric equipment.

8 Claims, 4 Drawing Sheets

