

Title (en)

PROCEDURE AND APPARATUS IN THE CONTROL OF A PNEUMATIC LOAD APPLICATION DEVICE

Title (de)

VERFAHREN UND APPARAT ZUM KONTROLLIERTEN EINSATZ EINER PNEUMATISCH ERZEUGTEN LAST

Title (fr)

PROCEDE ET APPAREIL DE COMMANDE D'UN MECANISME PNEUMATIQUE D'APPLICATION DE CHARGE

Publication

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Application

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Abstract (en)

[origin: WO9913315A1] Procedure and apparatus in the control of a pneumatic load application device, said load application device comprising a pneumatic power means (3) connected to a pressure source (2) and applying a load to a test specimen (1) and a sensor (4) for measuring the effect of the load on the test specimen. In the procedure, a continuous and constant gas flow is supplied into the pressure circuit (6) of the pneumatic power means (3) and the pressure in the pressure circuit is regulated by regulating a gas flow passed out of the pressure circuit. The apparatus comprises a constant flow element (5) for maintaining a constant flow of a gas flowing from the pressure source (2) into the pressure circuit (6) of the pneumatic power means (3) and a regulator valve (7) for regulating a flow of gas flowing out of the pressure circuit of the power means on the basis of information supplied by the sensor (4).

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