

Title (en)

METHOD AND DEVICE FOR DETECTING LEAKS IN RESPIRATORY GAS SUPPLY SYSTEMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG VON LECKAGEN BEI EINRICHTUNGEN ZUM ZUFÜHREN VON ATEMGASEN

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION DE FUITES DANS DES SYSTEMES D'AMENEE DE GAZ RESPIRATOIRES

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Application

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Abstract (en)

[origin: WO2004084980A1] The invention relates to a method and a device for detecting leaks in respiratory gas supply systems. Both the pressure and the volume flow of the respiratory gas are detected and the relevant values are supplied to an evaluation device. The evaluation device is used to calculate both the respiratory parameter resistance and compliance and the leak for at least two successive breathing cycles. At least one control parameter with different signal amplitudes is pre-determined for the successive breathing cycles. The leak resistance is determined from the resulting differential sequences of pressure and flow for the successive breathing cycles.

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