

Title (en)
METHOD AND INSTALLATION FOR THE PHASE CHANGE IN AN INSULATOR

Title (de)
VERFAHREN UND APPARATUR FÜR DEN PHASENWECHSEL IN EINEM ISOLATOR

Title (fr)
PROCEDE ET APPAREIL POUR LE CHANGEMENT DE PHASE DANS UN ISOLATEUR

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Application
EP 05729369 A 20050421

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Abstract (en)
[origin: WO2005113169A1] The invention relates to a method and an installation for controlling the pressure in a working chamber (10) of an insulator (1), which is shielded from the outer environment (U), during opening or closing of the insulator with respect to the outer environment (U), with the aim of avoiding critical pressure bursts in the working chamber (10). The working chamber (10) is provided with an access for introduction or removal of the product to be treated. Purified air is supplied to the working chamber (10) from a circulating air zone (11), and air arrives from the working chamber (10) at the circulating air zone (11) via a returning air channel (14), and the working chamber and the circulating air zone form an interior space (18). A supply air unit (a3) is provided on the insulator (1) and comprises a supply air ventilator (B) and a blockable first supply air adjusting element (21), mounted between the supply air ventilator (B) and the interior space (18). The insulator (1) is also provided with a discharge air unit (b6) which comprises a discharge air ventilator (B) and a blockable first discharge air element (31), mounted between the discharge air ventilator (B) and the interior space (18). Phase change is carried out as a change-over process on the first supply air element (21) and the first discharge air element (31), from the closed to the open state or vice versa, using the following steps: measuring the differential pressure at both ends of the first supply air element (21) and/or at both ends of the first discharge air element (31); adjusting at least theoretically identical pressures at both ends of the first supply air element (21) and/or at both ends of the first discharge air element (31); carrying out the change-over process on the first supply air element (21) and first discharge air element (31).

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