

Title (en)
VENTING SYSTEM FOR THE CONTAINMENT STRUCTURE OF A NUCLEAR INSTALLATION

Title (de)
VENTINGSYSTEM FÜR DAS CONTAINMENT EINER KERntechnischen ANLAGE

Title (fr)
SYSTÈME DE VENTILATION POUR L'ENCEINTE DE CONFINEMENT D'UNE INSTALLATION NUCLÉAIRE

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Application
EP 14718009 A 20140326

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Abstract (en)
[origin: CA2907739A1] The invention relates to a pressure release system (18) for a containment structure (4) of a nuclear installation (2), having a pressure release line (16) which is guided through the containment structure (4) and which can be closed off by means of a shut-off fitting (30, 32), wherein a wet scrubber (36) for the pressure release gas flow generated during pressure release operation with the shut-off fitting (30, 32) open is connected into a section of the pressure release line (16) situated outside the containment structure (4). Based on this, it is the intention to permit effective and reliable operation of the wet scrubber (36) with a simultaneously compact design, in particular with regard to the amounts of washing fluid (52) that must be kept available. This is achieved according to the invention by means of a reservoir (67) which is arranged in the containment structure (4) or connected in terms of flow thereto such that a positive pressure prevailing in the containment structure (4) in relation to the outside environment is at least partially, preferably predominantly or entirely, transmitted to the reservoir (67), and a feed line (68), which leads from the reservoir (67) to the wet scrubber (36) and which can be closed off by means of a shut-off fitting (72), for the feed of liquid (14), which acts as washing fluid (52), from the reservoir (67) to the wet scrubber (36).

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