

Title (en)
METHOD AND DEVICE FOR THE REMOTE MONITORING OF MANUAL VALVES FOR FLUID SYSTEMS SUCH AS, FOR EXAMPLE, THE NUCLEAR ISLAND OF A NUCLEAR POWER PLANT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR FERNÜBERWACHUNG MANUELLER VENTILE FÜR FLUIDSYSTEME WIE ETWA DIE KERNANLAGE EINES KERNKRAFTWERKES

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE À DISTANCE DE VANNES MANUELLES DE CIRCUITS FLUIDES COMME PAR EXEMPLE DANS L'ÎLOT NUCLÉAIRE D'UNE CENTRALE NUCLÉAIRE

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Abstract (en)
[origin: WO2010001005A2] The invention relates to a method for the remote monitoring of manual valves (15) for fluid systems in the nuclear island of a nuclear power plant, a method wherein: the manual valves (15) are provided with a means (31) for detecting the open and closed positions thereof and with a first means (32) for the wireless communication of signals related to the position of each valve (15); a second signal communication means (35) is provided in the vicinity of the valve; local cable networks (36, 38) are provided, enabling received signals to pass through thick walls; and a means (40) for receiving and processing the signals after passing through said walls is provided in a monitoring room. The device according to the invention can obviously apply to all fluid systems comprising manual valves, the positions of which must be remotely monitored.

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