

Title (en)
ACCESS SYSTEM FOR A MEDICAL DEVICE FOR DRAWING A MEDICAL LIQUID, MONITORING SYSTEM COMPRISING SUCH AN ACCESS SYSTEM, AND MEDICAL TREATMENT DEVICE COMPRISING SUCH A MONITORING SYSTEM

Title (de)
ZUGANGSSYSTEM FÜR EIN MEDIZINTECHNISCHES GERÄT ZUR ENTNAHME EINER MEDIZINISCHEN FLÜSSIGKEIT UND ÜBERWACHUNGSSYSTEM MIT EINEM DERARTIGEN ZUGANGSSYSTEM UND EIN MEDIZINISCHES BEHANDLUNGSGERÄT MIT EINEM DERARTIGEN ÜBERWACHUNGSSYSTEM

Title (fr)
SYSTÈME D'ACCÈS POUR UN APPAREIL TECHNIQUE MÉDICAL POUR LE PRÉLÈVEMENT D'UN LIQUIDE MÉDICAL, SYSTÈME DE SURVEILLANCE COMPRENANT UN TEL SYSTÈME D'ACCÈS, ET APPAREIL DE TRAITEMENT MÉDICAL COMPRENANT UN TEL SYSTÈME DE SURVEILLANCE

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Abstract (en)
[origin: CA3198081A1] The invention relates to an access system (1) for a medical device which has a housing body (21) equipped with an inner tube line section (22) for transporting a medical liquid, said tube line section being enclosed by an outer tube line section (24), thereby forming an empty area (23) for receiving a disinfection liquid, wherein the housing body (21) has an opening (25) which can be closed by a closure element. The access system (1) according to the invention is characterized in that a measuring electrode (30) and at least one counter electrode (31, 32) are arranged in the housing body (21) such that the measuring electrode (30) is operatively connected to the counter electrode via the empty area (23). The measuring electrode (30) allows an electric signal to be fed such that a current flowing between the measuring electrode and the counter electrode or a voltage applied between the measuring electrode and the counter electrode can be analyzed. On the basis of the analysis of the current or voltage, the presence or the absence of a liquid in the empty area (23) or humidity in the empty area and/or whether a specific liquid is present in the empty area (23) can be determined. The invention additionally relates to a monitoring system (2) comprising such an access system (1), to a medical treatment device (1) comprising such a monitoring system (2), and to a method for monitoring an access system for a medical device.

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