

Title (en)
RESPIRATORY ANAESTHESIA APPARATUS WITH DEVICE FOR MEASURING THE XENON CONCENTRATION

Title (de)
ATEMWEGSNARKOSEGERÄT MIT VORRICHTUNG ZUR MESSUNG DER XENON-KONZENTRATION

Title (fr)
APPAREIL D'ANESTHESIE VENTILATOIRE AVEC DISPOSITIF DE MESURE DE LA CONCENTRATION DE XENON

Publication
EP 1962935 A2 20080903 (FR)

Application
EP 06842137 A 20061211

Priority
• FR 2006051326 W 20061211
• FR 0553862 A 20051214

Abstract (en)
[origin: WO2007068849A2] Apparatus for respiratory anaesthesia of a patient by administration of a gas containing gaseous xenon, with a main gas circuit (CP) which is open or closed and has an inhalation branch (16) and an exhalation branch (18), means (1, 2) for supply of gaseous xenon to the inhalation branch (16) of the main circuit (CP), and means for determining the xenon concentration. The means (S6; M1) for determining the xenon concentration comprise at least one hot-wire sensor (S6-E; M1-D) having at least one electrically conducting wire in direct contact with the gaseous flow containing the xenon, calculating means (3; S6-D; M1-C) that cooperate with the hot-wire sensor(s) in order to determine the xenon concentration (Xe%) in the flow, means for generating an electrical current in order to generate a current in at least one hot wire, and means for voltage measurement that can measure at least one voltage value (V) at the terminals of at least one hot wire or at least one resistance arranged in series with at least one hot wire. The calculating means cooperate with the voltage measurement means in such a way as to determine the xenon concentration (Xe%).

IPC 8 full level
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CPC (source: EP US)
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