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(54) Title: ON-LINE RECOVERY OF XENON FROM ANAESTHETIC GAS (54) Bezeichnung: VERFAHREN ZUR ONLINE-RÜCKGEWINNUNG VON XENON AUS NARKOSEGAS		
(57) Abstract A process is disclosed for separating a component from a gaseous mixture, in particular for separating xenon from the breathing gas exhaled by an anaesthetised patient. The disclosed process has the following steps: the gaseous mixture is brought into contact with a cooling surface at a temperature below the melting point of the components to be separated, the proportion of the gaseous mixture which is not condensed on the cooling surface in a solid state is carried away, and the component condensed on the cooling surface is heated above the melting point of the component to be separated. Also disclosed are a device for carrying out this process, a corresponding process for recovering anaesthetic gas and an associated anaesthetic equipment.		
(57) Zusammenfassung Die Erfindung betrifft ein Verfahren zum Abtrennen einer Komponente eines Gasgemischs, insbesondere zum Abtrennen von Xenon aus dem expiratorischen Atemgas eines Narkosepatienten. Das erfindungsgemäße Verfahren umfaßt die folgenden Schritte: In-Kontakt-Bringen des Gasgemischs mit einer Kühlfläche, die sich auf einer Temperatur unterhalb des Schmelzpunktes der abzutrennenden Komponente befindet, Ableiten der nicht an der Kühlfläche im festen Zustand kondensierten Anteile des Gasgemisches, Erwärmen der an der Kühlfläche kondensierten Komponente über den Schmelzpunkt der abzutrennenden Komponente hinaus. Die Erfindung betrifft weiterhin eine Vorrichtung zum Durchführen des erfindungsgemäßen Verfahrens, ein entsprechendes Rückgewinnungsverfahren für ein Narkosegas sowie ein zugehöriges Narkosegerät.		

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