

Title (en)  
HIGH EFFICIENCY LIQUID OXYGEN STORAGE AND DELIVERY SYSTEM

Title (de)  
FLÜSSIGSAUERSTOFFBEHÄLTER UND ZULEITUNGSSYSTEM MIT HOHER LEISTUNGSFÄHIGKEIT

Title (fr)  
SYSTEME EXTREMEMENT EFFICACE SERVANT A CONTENIR ET A ADMINISTRER DE L'OXYGENE LIQUIDE

Publication  
**EP 1230510 B1 20091202 (EN)**

Application  
**EP 00976639 A 20001026**

Priority  
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• US 16213199 P 19991029

Abstract (en)  
[origin: WO0133135A1] A high-efficiency liquid oxygen (LOX) storage/delivery system (100) utilizes a portable LOX/delivery apparatus (160) with a portable LOX container (319). A portable-unit LOX transfer connector (304) is connected to the portable LOX container (319) and is connectable to a main source of LOX in a primary reservoir LOX container (226). A portable-unit oxygen gas transfer connector (384) is provided for transferring oxygen gas from the portable LOX container (319) to an oxygen gas delivery device (90) for delivering oxygen gas to a patient. An inter-unit oxygen gas transfer connector (190) also is provided for connecting the portable apparatus (160) to a stationary source of oxygen gas in the primary reservoir container (226), for transferring oxygen gas to the portable apparatus (160). A portable-unit primary relief (315) valve is connected to the portable LOX container (319) for venting oxygen gas out of the portable LOX container (319) when pressure in the portable LOX container (319) reaches a predetermined level. When the inter-unit oxygen gas transfer connector (190) of the portable container (319) is connected to the stationary source of oxygen in the primary reservoir container (226), oxygen gas can be transferred to the oxygen gas delivery device (90) for delivery to the patient from the portable LOX container (319) while oxygen gas is transferred to the portable container (319) from the stationary source of gas in the primary reservoir LOX container (226).

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