

Title (en)  
MOBILE HEART-LUNG MACHINE

Title (de)  
MOBILE HERZ-LUNGEN-MASCHINE

Title (fr)  
ENSEMBLE COEUR-POUMON ARTIFICIEL MOBILE

Publication  
**EP 1152782 A1 20011114 (DE)**

Application  
**EP 00910678 A 20000214**

Priority  
• DE 19905937 A 19990212  
• EP 0001209 W 20000214

Abstract (en)  
[origin: WO0047248A1] The invention relates to a mobile heart-lung machine for maintaining the blood circulation by taking over or supporting the cardiopulmonary function. Said machine comprises at least one venous tube (5), a blood pump (8), an oxygenator (9), an arterial filter (15), an arterial tube (4) and a tubular system for circulating the blood (7), an automatic control system (24) and a self-sufficient voltage supply. The aim of the invention is to provide a heart-lung machine that is easy to handle. To this end, the elements (4, 5, 6, 7, 8, 9, 15, 18, 21) which circulate the blood, receive the biochemical and physiological signal and carry out the control commands on the one hand and the drive and automatic control elements (23, 24, 27, 28, 29, 30, 31, 32) on the other hand are arranged in two separate modules (2, 3) and can be combined to form one functional unit.

IPC 1-7  
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IPC 8 full level  
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