Title (en)
    HEART ASSIST SYSTEM

Title (de)
    HERZUNTERSTÜTZUNGSSYSTEM

Title (fr)
    SYSTEME D'ASSISTANCE CARDIAQUE

Publication
    EP 0837704 A1 19980429 (EN)

Application
    EP 96922203 A 19960708

Priority
    • IL 9600045 W 19960708
    • IL 11451795 A 19950710

Abstract (en)
    [origin: WO9702850A1] A cardiac assist pump, including: a cannula, including an outer sheath, which defines and encloses a lumen therein, the
    cannula having a distal end and a proximal end. The cannula is inserted through the aorta of a subject so that the distal end is inside a ventricle
    of the heart of said subject. The pump includes at least one intake valve, adjacent to the distal end of the cannula, through which blood enters the
    lumen from the ventricle; at least one outlet valve, disposed radially along the sheath of the cannula, through which blood exits the lumen into the
    aorta; a fluid reservoir having a variable fluid volume, connected to the proximal end of the cannula, such that blood may flow between the lumen
    and the reservoir; and a pump drive, coupled to the fluid reservoir and controlling the fluid volume in the reservoir. The pump drive alternately
    increases and decreases the fluid volume in the reservoir to produce a pulsatile pumping action of blood through the cannula.

IPC 1-7
    A61M 1/10; F16K 15/00; F16K 31/12

IPC 8 full level
    A61M 25/00 (2006.01); **A61M 60/174** (2021.01); **A61M 60/268** (2021.01); **A61M 60/435** (2021.01); **A61M 60/569** (2021.01);
    A61M 60/837 (2021.01); **A61M 60/857** (2021.01); **A61M 60/896** (2021.01); **F16K 15/00** (2006.01); **F16K 31/12** (2006.01)

CPC (source: EP US)
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