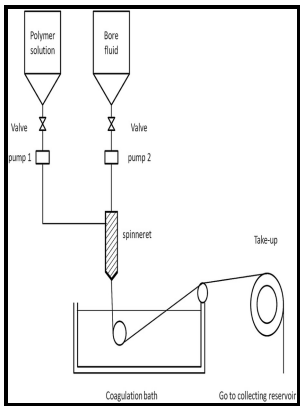
Research into an asymmetric membrane hollow fiber device for oxygen enriched air production.

United States, Department of Energy - Preparation of LSCF Ceramic Hollow



Description: -
-Research into an asymmetric membrane hollow fiber device for oxygen enriched air production.
-Research into an asymmetric membrane hollow fiber device for oxygen enriched air production.
Notes: A facsimile report.
This edition was published in 1984

Tags: #Minimizing #specific #energy #consumption #of #oxygen #enrichment #in #polymeric #hollow #fiber #membrane #modules

Current developments of mixed conducting membranes on porous substrates

In addition, as shown in Figure , the porous layer is still well coated on outside surface of BCFZ hollow-fiber membrane after 120 h operation, and according to magnified image Figure , the surface layer is still porous, which supports the stable performance.

US5611845A

The membranes disclosed in accordance with DE-A-28 33 493 or DE-A-32 05 289 have an open-pored, microporous structure and also open-pored, microporous surfaces.

Preparation of LSCF Ceramic Hollow

These requirements are fulfilled by the membrane of the invention. This results in a slightly higher surface exchange rate.

Study of Using Oxygen

Microstructure Control of Tubular Micro-Channelled Supports Fabricated by the Phase Inversion Casting Method.

Polymer membranes facilitate the exchange of oxygen in the body

Where F i is the flow rate of gas i, S is the effective area of hollow-fiber membrane.

US6409921B1

BACKGROUND OF THE INVENTION The separation of one or more gases from a complex multicomponent mixture of gases is necessary in a large number of industries.

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