



EUROPEAN PATENT APPLICATION

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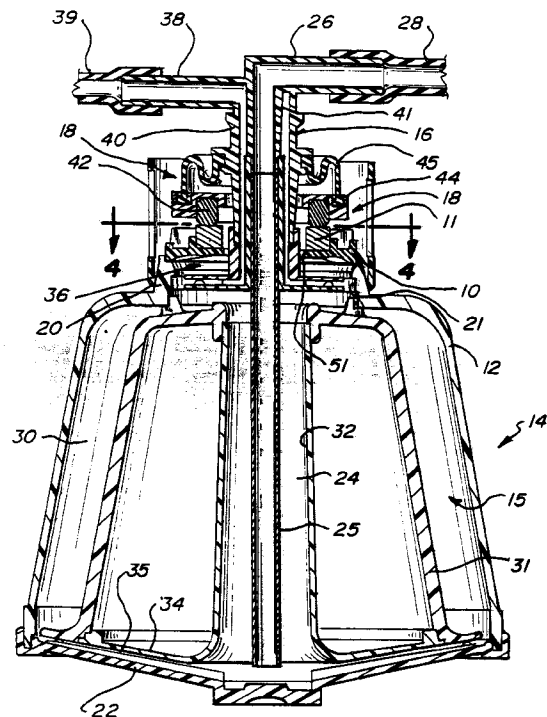
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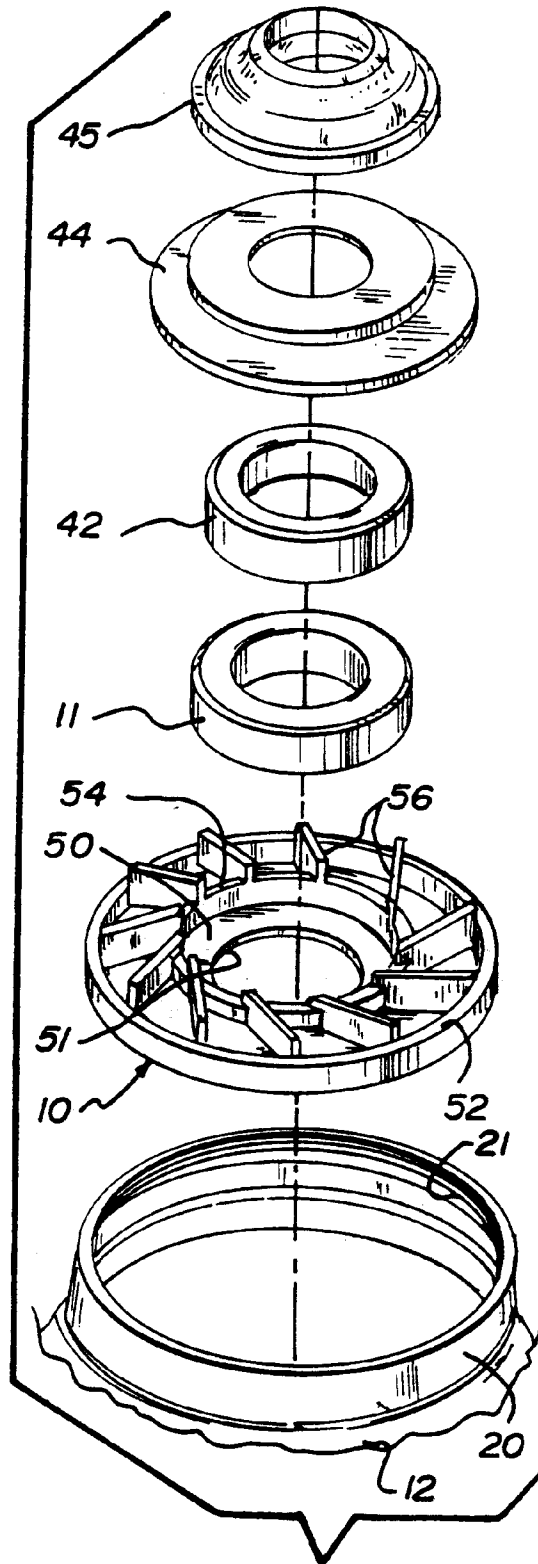
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Rotary seal for centrifuge.

The rotary seal, embodying a rotary seal ring (11) and a stationary seal ring (42), for a centrifugal separator (14) including an imperforate bowl (12) has a seal ring hub (10) for supporting the rotary seal ring (11). The seal ring hub (10) is formed by an annular hub plate (50) defining a central shaft receiving opening (51). The plate (50) includes an axially extending annular lip (52) on its periphery and an axially extending annular rib (54) in spaced juxtaposition with the opening (51). A plurality of spaced apart chordally extending vanes (56) extend between the rib (54) and the lip (52) for stabilizing the plate (50) during rotation of the seal and providing a flow of cooling air around the rotary seal.



Fig_2



Fig_5



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EUROPEAN SEARCH REPORT

Application Number
EP 94 63 0019

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	EP-A-0 285 891 (DIDECO) * figure *	1-4	B04B9/12 B04B15/02
A,D	US-A-4 300 717 (HAEMONETICS CORP.) * column 3, line 22 - line 55 * * column 4, line 53 - column 6, line 10 * * figures 1,6,7 *	1-4	
A	US-A-5 045 048 (HAEMONETICS CORP.) * column 4, line 25 - column 5, line 27 * * figures *	1-4	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			B04B
Place of search		Date of completion of the search	Examiner
THE HAGUE		9 February 1995	Leitner, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>..... & : member of the same patent family, corresponding document</p>			

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