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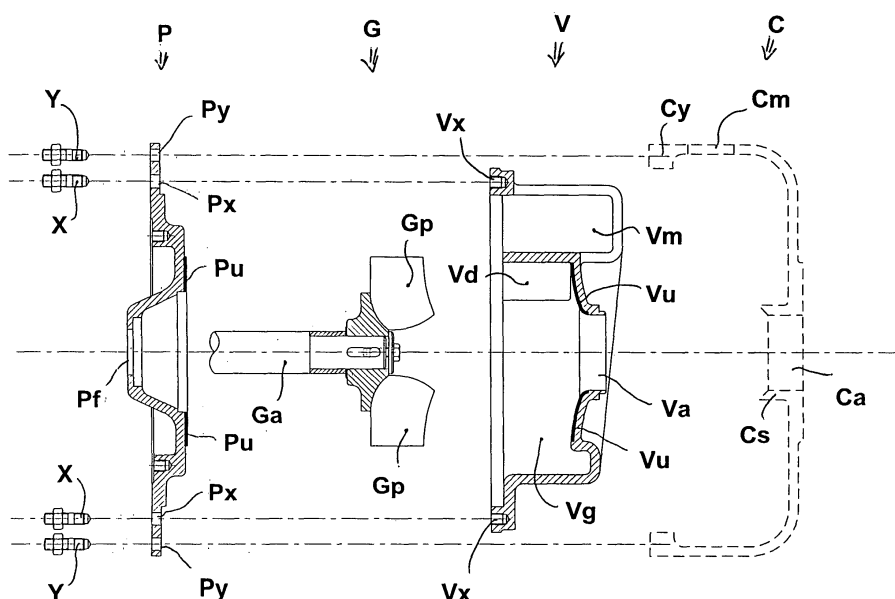
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(54) **Modular centrifugal pump casing**

(57) The invention is a new modular centrifugal pump comprising a disc (P) that joins the various parts and connects them with the motor part, to which a single scroll (V) containing the impeller (G) is applied, and a further external shell (C) having different shapes and characteristics according to the different uses for which the pump

is destined. The connection disc (P), the impeller (G) and the scroll (V) constitute the common hydraulic part for the various types of pumps. The various external shells (C), suitable for being coupled with the scroll (V) and/or the connection disc (P), have different shapes and/or unions (Ca, Cm) according to the final use for which the pump is destined.



**Fig. 1**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 03 01 2988

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2 619 036 A (JOHN MANN) 25 November 1952 (1952-11-25) * the whole document * * figure 2 *	1-16	INV. F04D29/42 F04D9/02
X	----- US 2 911 916 A (BLISS CARL M) 10 November 1959 (1959-11-10) * the whole document * * figure 1 *	1-16	
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			TECHNICAL FIELDS SEARCHED (IPC)
			F04D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		16 October 2007	Ingelbrecht, Peter
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 2988

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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16-10-2007

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