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(72) Inventors:  
• **Nurmi, Hannu**  
**65380 Vaasa (FI)**  
• **Rösgren, Carl-Erik**  
**65480 Vikby (FI)**

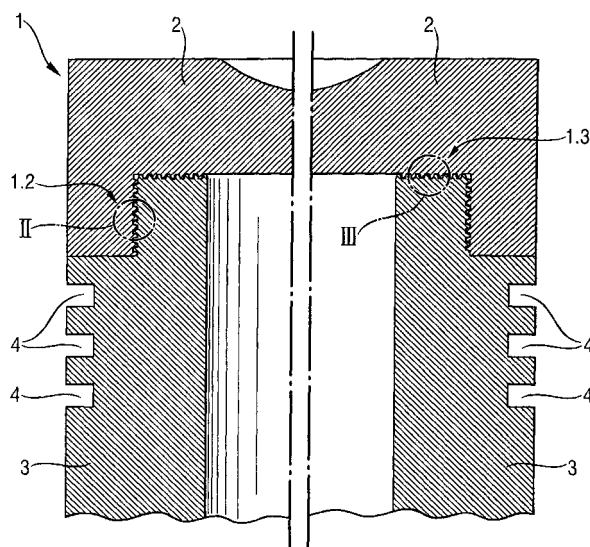
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(74) Representative: **Newby, Martin John**  
**J.Y. & G.W. Johnson,**  
**Kingsbourne House,**  
**229-231 High Holborn**  
**London WC1V 7DP (GB)**

(54) **Piston unit for combustion engine**

(57) Piston assembly (1) for an internal combustion engine comprising an upper section (2) abutting onto the combustion chamber of the cylinder, a piston skirt (3) in connection with the upper section, and a sealing arrangement for sealing the joint between the upper section and the skirt. In the piston assembly the sealing arrangement (1.2, 1.3) between the upper section and the skirt is provided by utilizing the difference between the mounting and working temperatures of the upper sec-

tion (2) and the piston skirt (3). Preferably, the sealing arrangement between the upper section and the skirt is arranged to operate under working pressure and the sealing arrangement comprises several operationally in succession provided counter surfaces, which are arranged with respect to each other so that their mutual distance is reduced at the working temperature of the surfaces, and that a pressure balancing chamber is formed between two successive, tightly arranged counter surface pairs (2a - 3b).



**Fig. 1**

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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 25 3880

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>11 June 2003</b>	Examiner <b>Wassenaar, G</b>
<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 &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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