

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets

(11) Veröffentlichungsnummer:

(11) Publication number:

(11) Numéro de publication:

**EP 1 554 570 A0**

Internationale Anmeldung veröffentlicht durch die  
Weltorganisation für geistiges Eigentum unter der Nummer:

**WO 2004/036207** (art. 158 des EPÜ).

International application published by the World  
Intellectual Property Organisation under number:

**WO 2004/036207** (art. 158 of the EPC).

Demande internationale publiée par l'Organisation  
Mondiale de la Propriété sous le numéro:

**WO 2004/036207** (art. 158 de la CBE).

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

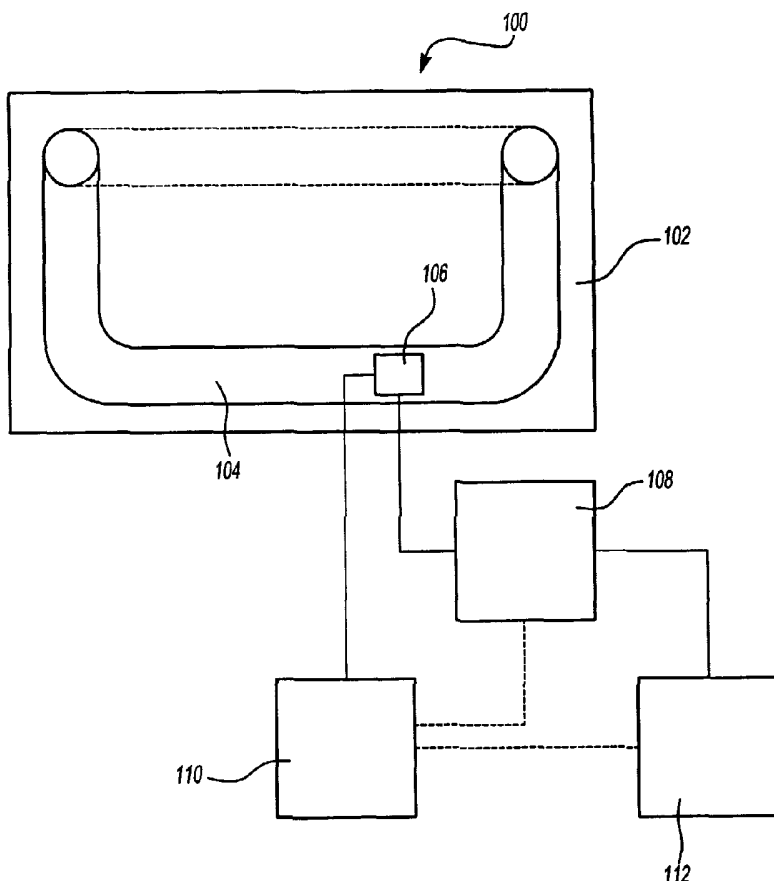
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(10) International Publication Number  
WO 2004/036191 A1

- (51) International Patent Classification<sup>7</sup>: G01N 9/00, 11/16, G01F 23/296, G01N 29/02
- (21) International Application Number: PCT/US2003/032982
- (22) International Filing Date: 17 October 2003 (17.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/419,404 18 October 2002 (18.10.2002) US  
10/452,264 2 June 2003 (02.06.2003) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,

[Continued on next page]

(54) Title: MACHINE FLUID SENSOR AND METHOD



(57) Abstract: A method for analyzing a fluid contained within a machine, comprising the steps of providing a machine system (100) including a passage (104) for containing a fluid; placing a sensor (106) including a mechanical resonator in the passage; operating the resonator to have a portion thereof translate through the fluid; and monitoring the response of the resonator to the fluid in the passage. One specific sensor includes a tuning fork resonator.

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