	(19) (12)	(KR) (A)	
(51) 。Int. Cl. ⁷ A61B 1/04		(11) (43)	10-2004-0110566 2004 12 31
(21) (22)	10-2003-0039919 2003 06 19		
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2 1 3 1 4 5 1 6 1 7 1 8 1 9 1 100: 110: 120: 130: 140: 150: 160: 200: 300: (臟器) 가 (Virtual Colonoscopy) (生檢;Biopsy) 가 가 가 가

(臟器)

(臟器)

가 가 가 가 가 가 가 가 가 1 (100) ; (100)(100)가 (100) (200) ; 가 (200)(200)(300)(110) , (100)(100)(110)가 (120) , (130), (140) , (150)(100)가 가 (110)가 (100) (100)(100)(100)(160)가 가 (100) (300)1 2 (310) (140) (300)(140)(150)(200)가 (IPMC; ionic polymer met al composite) (300) (200)(100)가 3

- 3 -

(PDMS; polymethyl siloxane)

(200)

가 (200)가 4 4 (S) (S) (S) (110)2 (410)(420)(400)(200)1 추력(T)= $\frac{1}{2}C_D\rho\int_0^L bv_n|v_n|\sin(\alpha)dx$ 2 $h(x,f,t) = a(f)\sin\left[2\pi\left(\frac{x}{\lambda(f)} - tf\right)\right]$ (200)가 , v _n (300) '(A Computational Fluid Dynamics Study of Tadp ole Swimming, The Journal of Experimetal Biology 199, 1245-1260(1996), The company of Biologists Limit ed 1996) (200)(300)(200)가 가 (300)(Duty ratio), (300)9 (100)가 가

- 4 -

가

가 .

(57)

1. ; 가 ;

가

2. 1 ,

가 .

3. 2 ,

4. 2 3 ,

가 .

5. 2 3 ,

6.1 3 ,

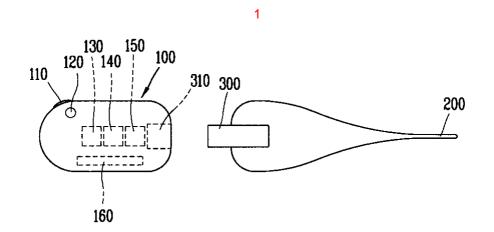
(IPMC)

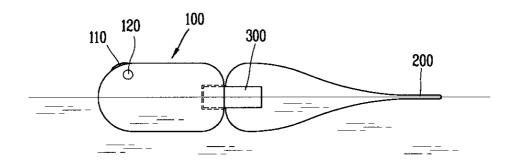
7. 6 , (IPMC) 가 /

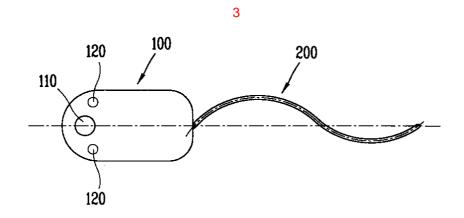
8. 1 ,

- 5 -

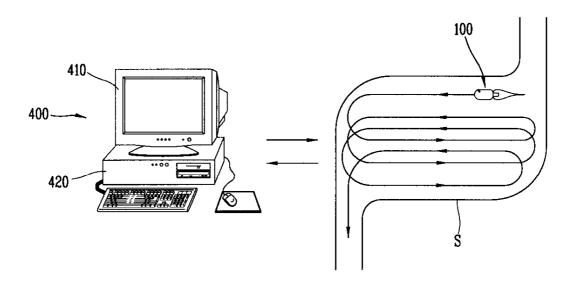
3. 가 ; 가

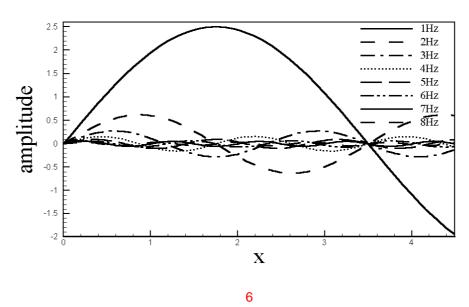


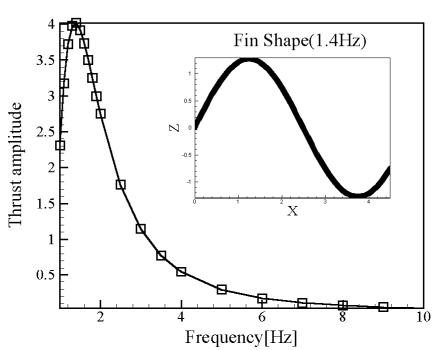




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