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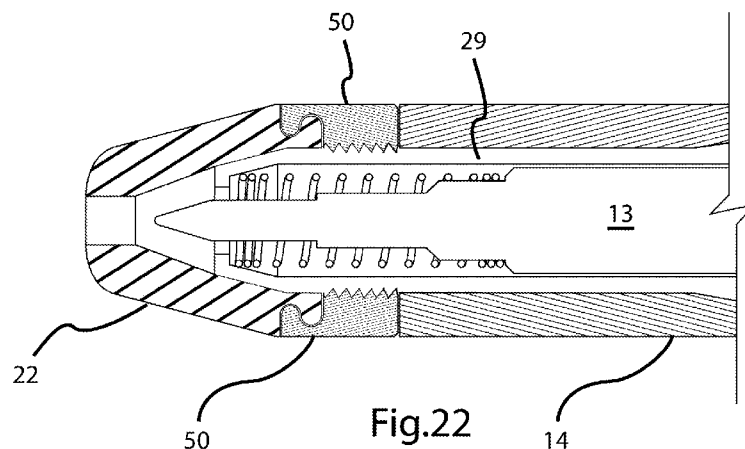
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(54) **Title:** ELECTRICALLY CONDUCTIVE TOUCH PEN



(57) **Abstract:** A combination writing pen and stylus is disclosed. The device has an internal ink cartridge deployable through a hole in the stylus tip. The stylus tip extends from a sleeve that is formed of a conductive elastomeric material. The sleeve extends up a rigid shaft of the device such that it contacts a sufficient ground. The stylus tip may be coated with a protective material that adjusts the coefficient of friction and prevents carbon deposits on the touch screen. A sufficient contact patch is achieved to simulate a human finger so as to overcome false positives from common touch screen logic. This is done by altering tip geometries around an air cavity within the sleeve.



A. CLASSIFICATION OF SUBJECT MATTER**G06F 3/033(2006.01)i, B43K 7/02(2006.01)i, B43K 29/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 3/033

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: capacitive touch screen, input device, combination of writing pen/stylus, ink cartridge, writing tip, movable along the longitudinal axis, stored/operating position, central hole, conductive elastomeric sleeve, flexible/pliable outer cover, air cavity

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-0990755 B1 (Dongsik Nam) 22 October 2010	1-8, 10-13, 15-16
A	See abstract, paragraphs [0010]-[0013], [0024]-[0033], claims 1-5 and figures 1, 3, 4.	9, 14, 17-18
A	WO 2011008533 A2 (LETO GERALD) 20 January 2011	1-18
	See abstract, paragraphs [0002], [0006], [0008], [0009], [0014], [0044], claims 1, 2, 4, 7-9, 17, 18 and figure 3.	
A	US 5913629 A (THOMAS B. HAZZARD et al.) 22 June 1999	1-18
	See abstract, column 3, lines 53-56, column 4, lines 1-13, 56-67, column 5, lines 6-13, claim 1 and figures 1-5.	
A	US 20060239761 A1 (CARL CETERA) 26 October 2006	1-18
	See abstract, paragraphs [0019], [0020], [0022], claims 1, 4 and figures 1-4.	



Further documents are listed in the continuation of Box C.



See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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