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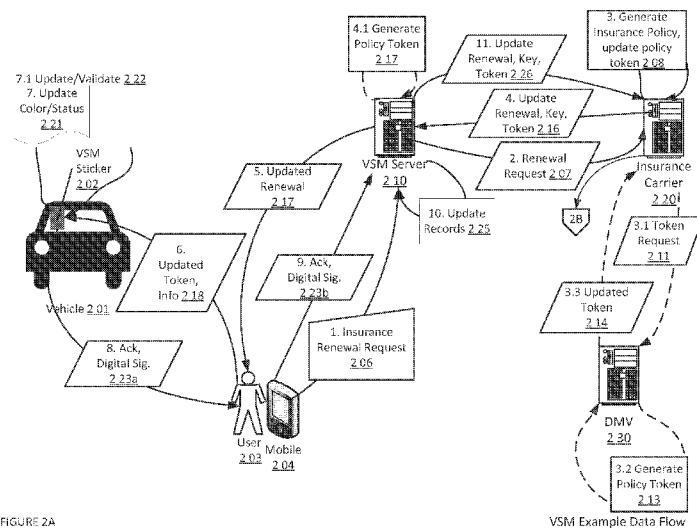
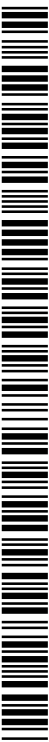


FIGURE 2A

VSM Example Data Flow

(57) Abstract: The Vehicle Status Monitoring Apparatuses, Methods and Systems ("VSM") transform insurance renewal requests via VSM components into VSM sticker color display change. A VSM sticker is described, including a Near Field Communication (NFC) chip configured to communicate with a user mobile device for vehicle status information; an energy supply component providing energy supplies; a color layer having a solid color display wherein the displayed color is changeable upon electronic instructions; and a memory storing the vehicle status information and the electronic instructions to change the displayed color of the color layer.



**A. CLASSIFICATION OF SUBJECT MATTER****G06Q 40/08(2012.01)i, G06Q 50/30(2012.01)i, G06K 19/06(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)

G06Q 40/08; G01C 21/32; G06F 17/60; G01S 13/74; G06Q 40/00; G06K 19/06; G08B 13/14; G06Q 50/30

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) &amp; Keywords: vehicle, monitoring, insurance, renewal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005-0283388 A1 (DAVID EBERWINE et al.) 22 December 2005 See abstract, paragraphs [0036], [0087], claims 1, 8, 14, 39, 45 and figures 10-12.	1-10, 19-20
A		11-18
X	US 2007-0285256 A1 (NARESH BATRA) 13 December 2007 See abstract, paragraphs [0039]-[0040], [0084], claims 1-5, 9, 11, 17 and figures 1, 7.	11-18
Y		1-10, 19-20
A	US 2005-0086070 A1 (PAUL ENGELMAN) 21 April 2005 See abstract, claims 1-2, 22 and figures 1A-2B.	1-20
A	US 2006-0103568 A1 (STEVEN POWELL et al.) 18 May 2006 See abstract, paragraphs [0025]-[0026], claims 1-2 and figures 1, 3, 7.	1-20
A	US 2008-0051996 A1 (KATHERINE A. DUNNING et al.) 28 February 2008 See abstract, claims 1-3, 6-10 and figure 1.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&amp;" document member of the same patent family


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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
US 2005-0283388 A1	22/12/2005	None	
US 2007-0285256 A1	13/12/2007	None	
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US 2006-0103568 A1	18/05/2006	None	
US 2008-0051996 A1	28/02/2008	None	