



- (51) International Patent Classification: **G06K 7/00** (2006.01)
- (21) International Application Number: PCT/EP2010/060048
- (22) International Filing Date: 13 July 2010 (13.07.2010)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 200910160062.8 20 July 2009 (20.07.2009) CN
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

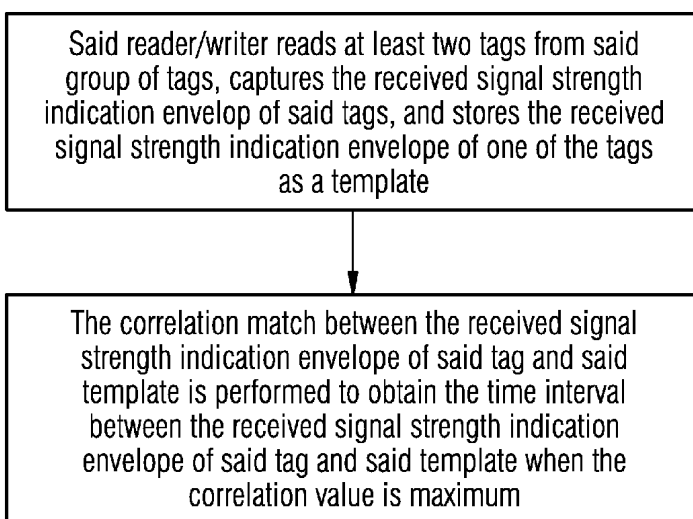
**Published:**

— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: A MOVEMENT DETECTION METHOD AND READER/Writers IN A RADIO FREQUENCY IDENTIFICATION SYSTEM

**FIG 2**



(57) Abstract: This invention proposes a movement detection method in a Radio Frequency Identification (RFID) system which includes one or more reader/writers and a group of tags, wherein each of said tags is attached to a work-piece. The method includes the following steps: firstly, said reader/writers read at least two from said group of tags, capture the received signal strength indication envelopes of said tags, and store the received signal strength indication envelope of one of the tags as a template; secondly, a correlation match is performed for the received signal strength indication envelope of said tags and said template to obtain the time interval between the received signal strength indication envelope of said tags and said template when the correlation value is the maximum. Using the present invention, the reader/writer can report each tag in front of the antenna, even if multiple tags exist in the complicated industrial environment, ensuring FCFR and improving the reliability of the UHF RFID system.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**(88) Date of publication of the international search report:**  
19 January 2012

## INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2010/060048

## A. CLASSIFICATION OF SUBJECT MATTER

INV. G06K7/00

ADD.

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)

G06K

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

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

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/055839 A1 (TAGSYS SAS [FR]; LAVIALE ANTHONY [FR]; HALL DAVID MALCOLM [AU]) 7 May 2009 (2009-05-07) the whole document -----	1-19
A	US 2005/285742 A1 (CHARYCH HAL [US] ET AL) 29 December 2005 (2005-12-29) the whole document -----	1,17

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Date of the actual completion of the international search

1 November 2011

Date of mailing of the international search report

21/11/2011

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No  
PCT/EP2010/060048

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009055839	A1	07-05-2009	NONE
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US 2005285742	A1	29-12-2005	NONE
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