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(54) Title: GALVANIC ISOLATION TRANSFORMER

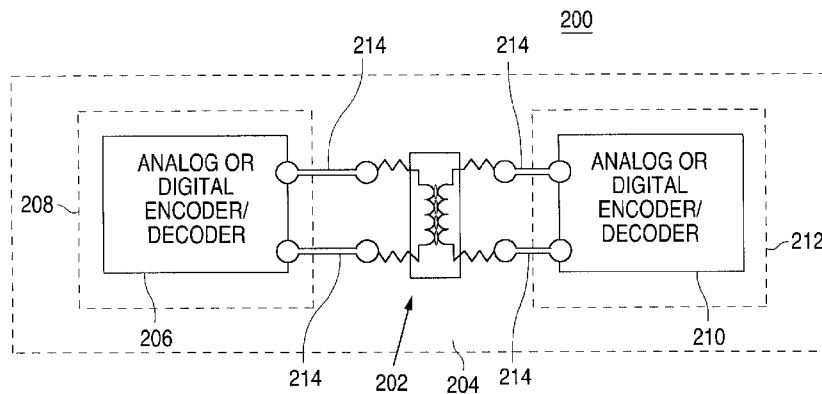
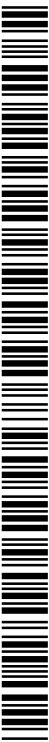


FIG. 2

(57) Abstract: An integrated circuit die system comprises a first integrated circuit die, a second integrated circuit die and a transformer formed on a dielectric (e.g., quartz) substrate and electrically connected between the first integrated circuit die and the second integrated circuit die to provide galvanic isolation therebetween.



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**A. CLASSIFICATION OF SUBJECT MATTER****H01F 38/40(2006.01)i, H01L 25/00(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)

H01F 38/40; H01L 29/00; G05F 5/00; H03H 7/00; H01L 29/40; H01L 23/60; H04B 3/00; B32B 15/08; H01L 23/485

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: galvanic, isolation, transformer, first, second, circuit, substrate

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 7064442 B1 (WILLIAM A. LANE et al.) 20 June 2006 See abstract, column 3, lines 25 ~ column 4, lines 7, claims 1, 5-11, 15-19, figure 2	1-5, 7, 15, 16, 18-20 6, 8-14, 17
A	US 2003-0042571 A1 (BAOXING CHEN et al.) 06 March 2003 See abstract, claims 1-2, 6-8, figure 5	1-20
A	US 2008-0013635 A1 (DUPUIS TIMOTHY) 17 January 2008 See abstract, claims 1-2, 4-5, figures 5-6	1-20
A	US 06107674A A (NATHAN ZOMMER) 22 August 2000 See abstract, claims 1, 4, 9, figure 4	1-20
A	US 05747982A A (DOUGLAS JOHN DROMGOOLE et al.) 05 May 1998 See abstract, claims 1, 4, 10, figure 1	1-20

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

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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