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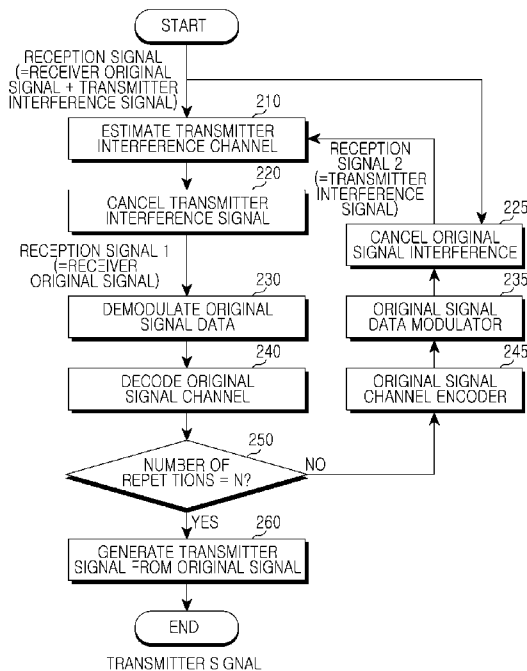
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[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR INTERFERENCE CANCELLATION IN MOBILE FULL DUPLEX RELAY

[Fig. 2]



(57) Abstract: A method and an apparatus for canceling an interference in a mobile Full Duplex Relay (FDR) are provided. A signal is received from a base station, interference canceling that uses a transmitter interference signal from which an original signal interference has been cancelled is repeatedly performed on the signal received from the base station, and an interference-cancelled signal is transmitted.

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INTERNATIONAL SEARCH REPORT

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PCT/KR2010/000654**A. CLASSIFICATION OF SUBJECT MATTER****H04B 7/155(2006.01)i, H04B 15/00(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)

H04B 7/155; H04B 15/00; H04B 17/00; H04B 7/005

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: FDR, interface signal, cancellation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007-102684 A1 (AIRPOINT CO., LTD.) 13 September 2007 See the abstract, paragraphs [0023]-[0029], figure 2	1-10
A	US 2003-0119451 A1 (IL-SOON JANG et al.) 26 June 2003 See the abstract, paragraphs [0021]-[0031], figure 2	1-10



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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
WO 2007-102684 A1	13.09.2007	CN 101405954 A KR 2007-0091547 A	08.04.2009 11.09.2007
US 2003-0119451 A1	26.06.2003	KR 10-0426623 B1 KR 2003-0053131 A US 6832073 B2	13.04.2004 28.06.2003 14.12.2004