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(54) Title: DETECTION SEQUENCE FOR D2D COMMUNICATION

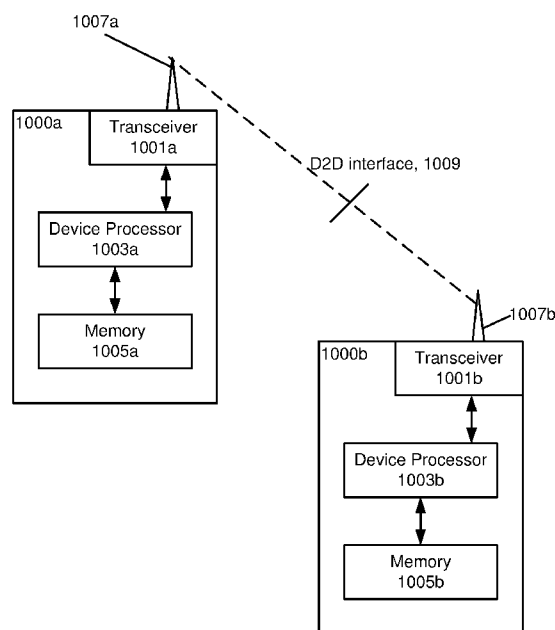


Fig. 9

(57) **Abstract:** Method for D2D communication in a wireless device comprising receiving (1710) a D2D communication from another wireless device, the D2D communication comprising a first detection sequence of a plurality of detection sequences. Each detection sequence is associated with a respective different radio access technology or service type so that the first detection sequence identifies a radio access technology or service type associated with the D2D communication. The method also comprises selecting (1720) a transmission procedure for a D2D transmission from the second wireless device based on the first detection sequence, and performing (1730) the D2D transmission using the selected transmission procedure.



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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 practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2014/113537 A1 (INTERDIGITAL PATENT HOLDINGS [US]) 24 July 2014 (2014-07-24) the whole document	1-46
A	----- TIIROLA ESA ET AL: "On the design of discovery patterns for half-duplex TDD nodes operating in frame-based systems", 2013 FUTURE NETWORK & MOBILE SUMMIT, AUTHORS, 3 July 2013 (2013-07-03), pages 1-9, XP032506884, [retrieved on 2013-10-15] the whole document -----	1-46



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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