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Pantelev et al.

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(54) **RESOURCE SELECTION IN DEVICE TO
DEVICE COMMUNICATION**

(52) **U.S. Cl.**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

A wireless communication device is configured to perform
resource allocation of device-to-device (D2D) communica-
tion in a UE. Synchronization establishing circuitry is pro-
vided to acquire radio resource synchronization and to
establish a time-frequency resource grid having resource
units allocation to a D2D communication. Signal metric
evaluation circuitry is provided to evaluate resource unit(s)
of a received signal using a signal metric when the time-
frequency resource grid has been established. Radio
resource selection circuitry is provided to select a time
resource of the time-frequency resource grid for allocation

(Continued)

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