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(54) Title: DYNAMIC INTERFERENCE CONTROL IN HETEROGENEOUS NETWORKS

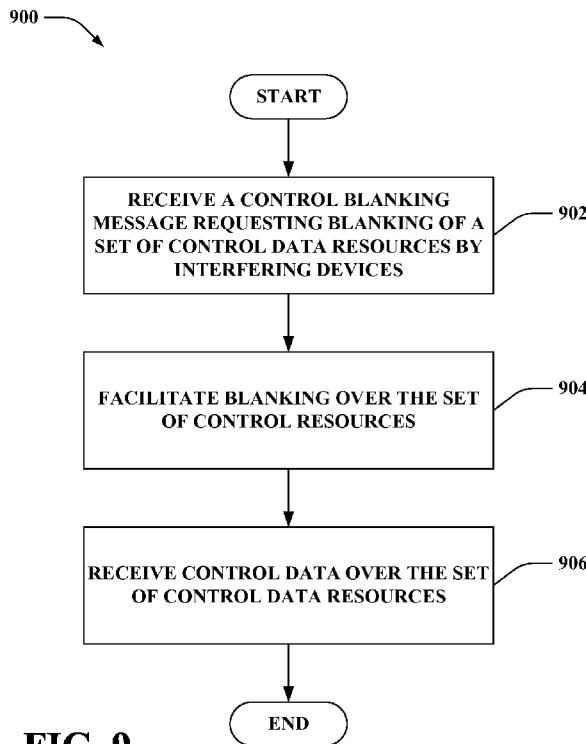


FIG. 9

(57) Abstract: Systems and methodologies are described that facilitate requesting blanking over control resources from one or more interfering eNBs or devices. An eNB, such as a macrocell, femtocell or picocell eNB, can transmit a downlink control blanking message to a UE directing the UE to perform blanking (e.g., for uplink control resources) or request the blanking from the interfering eNBs or devices (e.g., for downlink control resources). The downlink control blanking message can specify the desired control resources and/or information to determine the control resources. Thus, dynamic control blanking is provided such that blanking is requested to mitigate interference over control resources for the small scale eNB. The small scale eNB can subsequently communicate control data to the UE over the control resources; the control data can include a resource blanking message that similarly directs the UE to request blanking of general data resource from the interfering eNBs or devices.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 2007/024895 A (TELCORDIA TECH INC [US]; MATSUO RYOKO [US]; OBAYASHI SHUICHI [US]; KOD) 1 March 2007 (2007-03-01) abstract page 7, line 19 - page 10, line 8 page 15, line 1 - line 24 page 19, line 9 - page 21, line 8	1-117
X	WO 2007/044281 A (INTERDIGITAL TECH CORP [US]; ZHANG GUODONG [US]; TSAI YINGMING [US]) 19 April 2007 (2007-04-19) abstract page 2, paragraph 10 - page 6, paragraph 30 ----- -/--	1-117

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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X	<p>WO 2006/007318 A (QUALCOMM INC [US]; SUTIVONG ARAK [US]; AVNEESH AGRAWAL [US]; JULIAN DA) 19 January 2006 (2006-01-19) abstract page 2, paragraph 9 - page 3, paragraph 10 page 4, paragraph 25 - page 5, paragraph 28 page 6, paragraph 32 - page 13, paragraph 91 page 17, paragraph 120 - page 19, paragraph 123 -----</p>	1-117

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