

APPENDIX C-01

U.S. Patent No. 10,616,932 (“’932 Patent”) Obvious Combinations

1. Claim 1

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
1[pre]	A method of configuring, by an access unit, a wireless connection of a terminal, the method comprising:	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
1[a]	receiving an uplink radio resource control (RRC) message from a terminal, including the uplink RRC message into a first message, and transmitting the first message to a central unit;	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
1[b]	receiving a second message from the central unit, where the second message includes a downlink RRC message in response to the uplink RRC message from the terminal; and	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
1[c]	transmitting the downlink RRC message to the terminal,	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
1[d]	wherein the access unit and the central unit distinguish signaling radio bearers based on radio bearer identification information-included in the first message and the second message.	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

2. Claim 2

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
2[pre]	The method according to claim 1, wherein the access unit comprises a node configured to provide an RLC function, a MAC function, and a PHY function, for transmission of user plane data, and	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
2[a]	the central unit comprises a node configured to provide a PDCP function, for transmission of the user plane data.	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

3. Claim 4

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
4[a]	The method according to claim 1, wherein the second message comprises at least one of an RRC connection setup message, a C-RNTI, and signaling radio bearer identification information.	U.S. Patent No. 10,257,881 to Lin (“Lin ’881”). <i>See</i> Exhibit C-1 U.S. Patent No. 9,807,752 to Zhang et al. (“Zhang ’752”). <i>See</i> Exhibit C-2 U.S. Patent No. 10,728,876 to Lin (“Lin ’876”). <i>See</i> Exhibit C-3 U.S. Patent Pub. No. 2014/0056243 to Xiong et al. (“Xiong”). <i>See</i> Exhibit C-4 U.S. Patent No. 10,869,342 to Zhang et al. (“Zhang ’342”). <i>See</i> Exhibit C-5 R2-134005. <i>See</i> Exhibit C-6 U.S. Patent Pub. No. 2014/0126527 to Pelletier et al. (“Pelletier”) WO 2015/140038 to Worrall et al. (“Worrall”) WO 2016/005002 to Hwang et al. (“Hwang”) WO 2014/071882 to Li (“Li”) WO 2015/046352 to Takahashi et al. (“Takahashi”) R2-152770 R2-151482

4. Claim 8

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
8[pre]	An access unit for configuring a wireless connection of a terminal, comprising:	See 1[pre]
8[a]	a transmitter configured to transmit a first message to a central unit, where the first message includes an uplink RRC message received from a terminal; and	See 1[a]
8[b]	a receiver configured to receive a second message from the central unit, where the second message includes a downlink RRC message in response to the uplink RRC message from the terminal,	See 1[b]
8[c]	wherein the transmitter transmits the downlink RRC message to the terminal, and	See 1[c]
8[d]	wherein the access unit and the central unit distinguish signaling radio bearers based on radio bearer identification information included in the first message and the second message.	See 1[d]

5. Claim 9

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
9[pre]	The access unit according to claim 8, wherein the access unit comprises a node configured to provide an RLC function, a MAC function, and a PHY function, for transmission of user plane data, and	See 2[pre]
9[a]	the central unit comprises a node configured to provide a PDCP function, for transmission of the user plane data.	See 2[a]

6. Claim 11

Invalidity of U.S. Patent 10,616,932		
Claim Language		Disclosed Art
11[a]	The access unit according to claim 8, wherein the second message comprises at least one of an RRC connection setup message, a C-RNTI, and signaling radio bearer identification information.	See 4[a]