

IN THE HIGH COURT OF JUSTICE  
BUSINESS AND PROPERTY COURTS  
INTELLECTUAL PROPERTY LIST (CHANCERY DIVISION)  
PATENTS COURT

B E T W E E N:

**KONINKLIJKE PHILIPS N.V.**  
(a company incorporated under the laws of the Netherlands)

Claimant

and

(1) **XIAOMI INC**  
(a company incorporated under the laws of China)  
(2) **XIAOMI TECHNOLOGY (UNITED KINGDOM) LIMITED**  
(3) **XIAOMI COMMUNICATIONS CO., LTD**  
(a company incorporated under the laws of the People’s Republic of China)  
(4) **XIAOMI CORPORATION**  
(a company incorporated under the laws of the Cayman Islands)  
(5) **XIAOMI HK LIMITED**  
(a company incorporated under the laws of Hong Kong Special Administrative Region of the  
People’s Republic of China)

Defendants

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**ANNEX B – SCHEDULE OF AMENDMENTS**

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The proposed conditional amendments to European Patent (UK) No. 1 815 647 (“EP 647”) are as follows:

<b>Conditional Amendments to the Claims of EP 647</b>		
<b>Old Claim</b>	<b>New Claim</b>	<b>Amendment</b>
1	1	A method <u>in a communication terminal (410) of a mobile communication system of</u> multiplexing data packets having different assigned priorities, comprising:  receiving data packets;  operating a queue for each different priority of data packet;  assembling a group of the data packets <u>according to a first multiplexing rule and a second multiplexing rule.</u>

		<p>wherein</p> <p>a first portion (90) of the group is populated with data packets selected from one or more of the queues according to <del>a</del>the first <u>multiplexing</u> rule and a second portion (95) of the group is populated with data packets selected from one or more of the queues according to <del>a</del>the second <u>multiplexing</u> rule; and</p> <p>transmitting the group, <b>characterized in that</b> the method is further comprising adapting the size of the first and second portions (90, 95) according to the delay experienced by data in each queue relative to a Quality of Service delay requirement for the respective queue.</p>
2	2	A method of multiplexing as claimed in claim 1 wherein according to the first <u>multiplexing</u> rule data packets are selected from the queue containing the highest priority of the data packets.
3	3	A method of multiplexing as claimed in claim 1 or 2, wherein according to the second <u>multiplexing</u> rule data packets are selected from one or more of the queues containing data packets having a lower priority than the highest priority.
4	4	A method of multiplexing as claimed in claim 1, 2 or 3, wherein according to the second <u>multiplexing</u> rule data packets are selected from any queue, except at least the highest priority queue, for which the data packets have experienced a delay longer than a threshold delay.
5	5	A method of multiplexing as claimed in any one of claims 1 to 4, wherein according to the second <u>multiplexing</u> rule data packets are selected from any queue which has more data awaiting transmission than a threshold amount of data, except at least the highest priority queue.
6	<del>6</del>	<del>A method of multiplexing as claimed in any one of claims 1 to 5, comprising receiving a signal indicative of a mix of first and second portions (90, 95) and adapting the size of the first and second portions (90, 95) in response to the signal.</del>
7	<del>76</del>	<p>Multiplexing apparatus (300) <del>in a communication terminal (410) of a mobile communication system</del> for multiplexing data packets having different assigned priorities, comprising:</p> <p>means (10) for receiving data packets;</p> <p>means (30, 40) for operating a queue store (50) for each different priority of data packet;</p> <p>means (60, 80) for assembling a group of the data packets <del>according to a first multiplexing rule and a second multiplexing rule</del>, wherein</p> <p>a first portion (90) of the group is populated with data packets by selecting data packets from one or more of the queue stores (50) according to <del>a</del>the first <u>multiplexing</u> rule and</p> <p>a second portion (95) of the group is populated with data packets by selecting data packets from one or more of the queue stores (50) according to <del>a</del>the second <u>multiplexing</u> rule;</p> <p>means (100) for transmitting the group; and <b>characterized <del>by</del>in that said multiplexing apparatus (300) further contains</b></p> <p>means (110) for adapting the size of the first and second portions (90, 95) according to the delay experienced by data in each queue store (50) relative to a delay criterion for the respective queue store (50).</p>
8	<del>87</del>	Multiplexing apparatus (300) as claimed in claim <del>76</del> wherein according to the first <u>multiplexing</u> rule data packets are selected from the queue store (50) containing the highest priority of the data packets.

9	<u>98</u>	Multiplexing apparatus (300) as claimed in claim <u>76</u> or <u>87</u> , wherein according to the second <u>multiplexing</u> rule data packets are selected from one or more of the queue stores (50) containing data packets having a lower priority than the highest priority.
10	<u>109</u>	Multiplexing apparatus (300) as claimed in claim <u>76</u> , <u>87</u> or <u>98</u> , wherein according to the second <u>multiplexing</u> rule data packets are selected from any queue store (50), except at least the highest priority queue store, for which the data packets have experienced a delay longer than a threshold delay.
11	<u>1110</u>	Multiplexing apparatus (300) as claimed in any one of claims <u>76</u> to <u>109</u> , wherein according to the second <u>multiplexing</u> rule data packets are selected from any queue store (50) which has more data awaiting transmission than a threshold amount of data, except at least the highest priority queue store (50).
12	<u>12</u>	<del>Multiplexing apparatus (300) as claimed in any one of claims 7 to 11, comprising means (100) for receiving a signal indicative of a mix of first and second portions and means (110) for adapting the size of the first and second portions (90, 95) in response to the signal.</del>