

**ANNEX A TO STATEMENT O O N S**

**395 Patent – ed-line ver ion o conditional a end ent**

1. A b se s io compri si g:

r smi er co figured o r smi co rol ch el sig l o mobile ermi l, wherei he co rol ch el sig l comprises Modul io d Codi g cheme, MC l dex, i form io o resource blocks o be used for r smissio from he mobile ermi l o he b se s io , d ch el qu li y i form io rigger for riggeri g r smissio of periodic ch el qu li y i form io repor from he mobile ermi l o he b se s io , ch r cerized i h he b se s io fur her comprises

receiver co figured o receive from he mobile ermi l he periodic ch el qu li y i form io repor , which is o mul iplexed wi h d r smi ed vi Upli k h red Ch el, UL-CH, i c se he ch el qu li y i form io rigger is se d he co rol ch el sig l i dic es pre-de ermi ed v lue of he MC l dex d Iso i dic es umber of resource blocks h is sm ller h or equ l o pre-de ermi ed umber of resource blocks.

~~2. The b se s io ccordi g o cl im 1,~~

~~wherei he MC l dex h s v lue be wee 0 d 31 i clusive, wherei MC l dex v lue be wee 0 d 28 i clusive i dic es MC i form io for upli k r smissio usi g redu d cy versio p r me er wi h v lue 0, MC l dex v lue of 29 i dic es redu d cy versio p r me er wi h v lue 1 for upli k re r smissio , MC l dex v lue of 30 i dic es redu d cy versio p r me er wi h v lue 2 for upli k re r smissio , d MC l dex v lue of 31 i dic es redu d cy versio p r me er wi h v lue 3 for upli k re r smissio ,~~

~~wherei he pre-de ermi ed MC l dex h s v lue of 29.~~

~~2. The b se s io ccordi g o cl im 1, wherei he receiver is fur her co figured o:~~

~~receive Upli k h red Ch el d mul iplexed wi h periodic ch el qu li y i form io repor from he mobile ermi l, usi g he redu d cy versio p r me er wi h v lue 1, whe he r smi er r smi s co rol sig l o he mobile ermi l i which he ch el qu li y i form io rigger is se , d which i dic es he pre-de ermi ed v lue of he MC l dex d Iso i dic es umber of resource blocks used for r smissio from he mobile ermi l o he b se s io h is l rger h he pre-de ermi ed resource block umber; d~~

~~receive Upli k h red Ch el d which is o mul iplexed wi h periodic ch el qu li y i form io repor from he mobile ermi l, usi g he redu d cy versio p r me er wi h v lue 1, whe he r smi er r smi s co rol sig l o he mobile ermi l i which he ch el qu li y i form io rigger is o se , d which i dic es he pre-de ermi ed v lue of he MC l dex d Iso i dic es umber of resource blocks used for r smissio from he mobile ermi l o he b se s io ,~~

irrespective of the indicated number of resurce blocks is larger than the pre-determined number of resurce blocks, it is smaller than or equal to the pre-determined number of resurce blocks.

3. The base station according to claim 1 or 2, is configured to receive the aperiodic channel quality information report from a UE according to the L-SH, based on the plural information reports.

4. The base station according to claims 1 to 3, wherein the channel quality information trigger is a channel quality indicator request bit.

~~5. The base station according to claims 1 to 4, wherein the pre-determined M-SI index indicates a redundancy version with a value of 1.~~

~~6. The base station according to claim 1 to 4, wherein the redundancy version with a value of 1 is a redundancy version request used for data retransmission.~~

~~7. The base station according to claims 1 to 6, wherein the channel quality information is at least one of a channel quality indicator, a precoding matrix indicator, or a rank indicator.~~

8. The method comprises the following steps performed by a base station:

transmitting a control channel signal to a mobile terminal, wherein the control channel signal comprises a modulation and coding scheme, M-SI index information, resource blocks to be used for retransmission of the mobile terminal to the base station, and a channel quality information trigger; and receiving a aperiodic channel quality information report from the mobile terminal to the base station,

characterized in that the method further comprises the step

receiving the mobile terminal aperiodic channel quality information report, which is transmitted via a UE according to the L-SH, in the case where the channel quality information trigger is set to the control channel signal, indicates a pre-determined value of the M-SI index and indicates a number of resource blocks that is smaller than or equal to the pre-determined number of resource blocks.

~~9. The method according to claim 8,~~

wherein the M-SI index is a value between 0 and 31 inclusive, wherein the M-SI index value between 0 and 28 inclusive indicates M-SI information for a plurality of retransmission using a redundancy version parameter with a value of 0, the M-SI index value 29 indicates a redundancy version parameter with a value of 1 for a plurality of retransmissions, the M-SI index value 30 indicates a redundancy version parameter with a value of 2 for a plurality of retransmissions, and the M-SI index value 31 indicates a redundancy version parameter with a value of 3 for a plurality of retransmissions.

wherein the pre-determined M-SI index is a value of 29.

8. The method of problem 7, comprising the following steps performed by the base station: evaluating Uplink Sherehannel to multiple e with n pe o hannel quality information epot from the mobile terminal, using the e un n y ve s on p mete with v lue , when the base station transmits ont ol s gn l to the mobile terminal in which the hannel quality information t gge s set, n wh h n tes the p e- ete m ne v lue of the M S In e n Iso n tes numbe of esou e blo ks use fo t nsm ss on f om the mobile terminal to the base station on th t s l ge th n the p e- ete m ne esou e blo k numbe ; n

evaluating Uplink Sherehannel to which is not multiple e with n pe o hannel quality information epot from the mobile terminal, using the e un n y ve s on p mete with v lue , when the base station transmits ont ol s gn l to the mobile terminal in which the hannel quality information t gge s not set, n wh h n tes the p e- ete m ne v lue of the M S In e n Iso n tes numbe of esou e blo ks use fo t nsm ss on f om the mobile terminal to the base station, espe tive of whether the n te numbe of esou e blo ks s l ge th n the p e- ete m ne esou e blo k numbe , o s sm lle th n o equ l to the p e- ete m ne esou e blo k numbe .

—9. The method of problem 8—9, comprising the step performed by the base station of evaluating the pe o hannel quality information epot on Phys l Uplink Sherehannel, PUS , based on one of plu lty of epotng mo es.

—\_. The method of one of l ms 7 to —9, using by the base station Phys l Uplink Sherehannel, PUS , to e e ve the pe o hannel quality information epot.

—2. The method of one of l ms 8-7 to —, when the hannel quality information t gge s hannel Quality In to equest bt.

~~—.~~ ~~The method of one of l ms 8 to —2, when the p e- ete m ne M S In e n tes e un n y ve s on with v lue of .~~

—4\_2. The method of one of l ms 7 to —1 m—, when the e un n y ve s on with v lue s e un n y ve s on nf equently use fo t et nsm ss on.

—5. The method of one of l ms 8-7 to —4\_2, when the hannel quality information s tle st one of hannel quality n to , p e o ng m t n to , o nk n to .