<u>DEPOSITION ERRATA SHEET</u>

APPLE, INC.,

     Petitioners,

     -vs-   Case IPR2016-01365
                                     Patent 7,181,608B2

REALTIME DATA LLC,

     Patent Owner.

_____

APPLE, INC.,

     Petitioners,

     -vs-   Case IPR2016-01366
                                     Patent 8,090,936B2

REALTIME DATA LLC,

     Patent Owner.

Dr. Godmar Back, being duly sworn, deposes and says:

I have reviewed the transcript of my deposition taken on June 20, 2017. The following changes are necessary to correct my testimony:

Page/Line	Corrected Testimony	Reason for Correction
Page 14, line 1	The phrase "a volatile memory use, it's not possible" should be corrected to read "volatile memory, thus, it's not possible"	Transcription Error
Page 18, lines 1-3	The phrase "Where initialization, to be clear, has an antecedent in initialization of the central processing unit" should be corrected to read "Where 'initialization,' to be clear, has an	Typographical Error

	antecedent in 'initialization of the central processing unit'"	
Page 21, line 9	The phrase "specification of the figures" should be corrected to read "specification or the figures"	Transcription Error
Page 21, line 11	The phrase "reference tool" should be corrected to read "reference term"	Transcription Error
Page 22, lines 6-7	The phrase "SDRAM, which is a form for nonvolatile memory" should be corrected to read "SDRAM, which is a form of volatile memory"	Correction of a Misstatement
Page 36, lines 14-15	The phrase "near in time immediate" should be corrected to read "near in time or immediate"	Transcription Error
Page 37, line 7	The phrase "average of the two patents" should be corrected to read "abstracts of the two patents"	Transcription Error
Page 37, line 25	The phrase "opening system" should be corrected to read "operating system"	Transcription Error
Page 50, line 2	The phrase "has been supported" should be corrected to read "has been booted"	Transcription Error
Page 55, lines 16-17	The phrase "any auxiliary of data storage, data storage controllers" should be corrected to read "any auxiliary devices for data storage controllers"	Transcription Error
Page 55, line 20	The phrase "perform as some kind" should be corrected to read "perform some kind"	Transcription Error
Page 56, lines 13-14	The phrase "cord that is stored in the RAM" should be corrected to read "code that is stored in the ROM"	Transcription Error
Page 56, line 15	The phrase "with our loss in terminology" should be corrected to read "without loss of generality"	Transcription Error

Page 56, lines 23-24	The phrase "system corner, so as sparks other data" should be corrected to read "system kernel, as well as other data"	Transcription Error
Page 57, line 1	The phrase "current executes" should be corrected to read "CPU executes"	Transcription Error
Page 57, line 7	The phrase "that performance" should be corrected to read "that performs"	Transcription Error
Page 57, line 16	The phrase "operating system corner" should be corrected to read "operating system kernel"	Transcription Error
Page 59, line 23	The phrase "when they are" should be corrected to read "whether they are"	Transcription Error
Page 62, line 11	The phrase "the boot data that also be preloaded" should be corrected to read "the boot data can also be preloaded"	Transcription Error
Page 66, line 5	The phrase "narrowly be erased" should be corrected to read "necessarily be erased"	Transcription Error
Page 67, line 11	The phrase "high-speed I" should be corrected to read "high-speed"	Transcription Error
Page 70, line 7	The phrase "further constraint" should be corrected to read "further constrained"	Transcription Error

_____   ___July 11, 2017___
Dr. Godmar Back   Date