U.S. PATENT NO. 8,265,096: CHALLENGED CLAIMS

Claim 1 and dependents	Claim 8
1[pre]. A method of constructing a frame structure for data transmission, the method comprising:	8[pre]. A method of constructing a frame structure for data transmission, the method comprising:
1[a]: generating a first section comprising data configured in a first format compatible with a first communication system using symbols;	8[a]: generating a first section comprising data configured in a first format compatible with a first communication system using symbols;
1[b]: generating a second section following the first section, the second section comprising data configured in a second format compatible with a second communication system using symbols, wherein the first communication system's symbols and the second communication system's symbols co-exist in one transmission scheme	8[b]: generating a second section following the first section, the second section comprising data configured in a second format compatible with a second communication system using symbols, wherein the first communication system's symbols and the second communication system's symbols co-exist in one transmission scheme
1[c]: and wherein: the second format is compatible with the second communication system configured to support higher mobility than the first communication system, wherein each symbol in the second communication system has a shorter symbol period than that in the first communication system;	8[c]: and wherein the second communication system has pilot symbols that are denser than those in the first communication system;
1[d]: generating at least one non-data section containing information describing an aspect of data in at least one of the first section and the second section; and	8[d]: generating at least one non-data section containing information describing an aspect of data in at least one of the first section and the second section; and
1[e]: combining the first section, the second section and the at least one non-data section to form the frame structure.	8[e]: combining the first section, the second section and the at least one non-data section to form the frame structure.

2. The method of claim 1, wherein the non-data section comprises mapping information for at least one of the first section and the second section.	
3. The method of claim 1, wherein the non-data section comprises at least one of a preamble, a frame control header (FCH), a burst, and a map of at least one of the first section and the second section.	
4. The method of claim 3, wherein the second section follows the first section in at least one of time sequence and frequency spectrum.	
6. The method of claim 1, wherein each of the first section and the second section carries at least one of uplink and downlink data.	
7. The method of claim 1, wherein the second section carries mapping information for data in the second section.	