UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SONY CORPORATION

Petitioner

v.

ARRIS ENTERPRISES LLC

Patent Owner

Patent No. 7,107,532
Filing Date: May 3, 2002
Issue Date: September 12, 2006

Title: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

Case No. IPR2017-01803

DECLARATION OF DAN R. OLSEN JR., PH.D. IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF UNITED STATES PATENT NO. 7,107,532

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A. "visual card" (Claims 1, 26, 50, and 52) 23

B. "means for scrolling only visual cards from a first sequence of visual cards …" (Claim 52) 24

C. "means for scrolling only visual cards from a second sequence of visual cards …" (Claim 52) 25

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X. CLAIMS 1-53 OF THE '532 PATENT ARE UNPATENTABLE OVER THE PRIOR ART 26

A. Overview of the Prior Art 26

1. Törnqvist 26

2. Bergsten 30

3. Kazamaki 32

4. LaJoie 34

5. Sciammarella 35

B. Ground 1: The combination of *Törnqvist* and *Bergsten* renders obvious claims 1-11, 16-20, 24, 26-36, 41-45, and 50-53. 36

1. Claim 1 36

2. Claim 2 49

3. Claim 3 52

4. Claim 4 53

5. Claim 5 54

6. Claim 6 54

7. Claim 7 55

8. Claim 8 55

9. Claim 9 56

10. Claim 10 57

11. Claim 11 57

12. Claim 16 57

13. Claim 17 58

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15. Claim 19 59

16. Claim 20 61

17. Claim 24 62

18. Claim 26 62

19. Claims 27-36, and 41-45 67

20. Claim 50 70

21. Claim 51 76

22. Claim 52 77

23. Claim 53 81

C. Ground 2: The combination of *Törnqvist*, *Bergsten*, and *Kazamaki* renders obvious claims 3, 4, 25, 28, 29, and 49. 81

1. Claim 3 82

2. Claim 4 83

3. Claim 25 84

4. Claims 28, 29, and 49 85

D. Ground 3: The combination of *Törnqvist*, *Bergsten*, and *LaJoie* renders obvious claims 12-15, 23, 37-40, and 48. 86

1. Claim 12 86

2. Claim 13 88

3. Claims 14 and 15 90

4. Claim 23 91

5. Claims 37-40 and 48 92

E. Ground 4: The combination of *Törnqvist*, *Bergsten*, and *Sciammarella* renders obvious claims 21, 22, 46, and 47. 94

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1. Claims 21 and 22.....95

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