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(54) **BILATERAL COMMUNICATION USING
MULTIPLE ONE-WAY DATA LINKS**

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G06F 21/00 (2006.01)

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(58) **Field of Classification Search** **713/151-152**
See application file for complete search history.

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(57) **ABSTRACT**

A bilateral data transfer system comprising a first node, a second node, a first one-way link for unidirectional transfer of first data from the first node to the second node, and a second one-way link for unidirectional transfer of second data from the second node to the first node, wherein the unidirectional transfer of the first data across the first one-way link and the unidirectional transfer of the second data across the second one-way link are independently administered by the bilateral data transfer system. Under such bilateral data transfer system, each of the one-way data links may be subject to separately administered security restrictions and data filtering processes. Hence, it enables secure bilateral communications across different network security domains.

23 Claims, 2 Drawing Sheets

