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(71) Applicant (for all designated States except US): **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, WA 98052-6399 (US).

(72) Inventor: **PROCTOR, David W.**; One Microsoft Way, Redmond, WA 98052-6399 (US).

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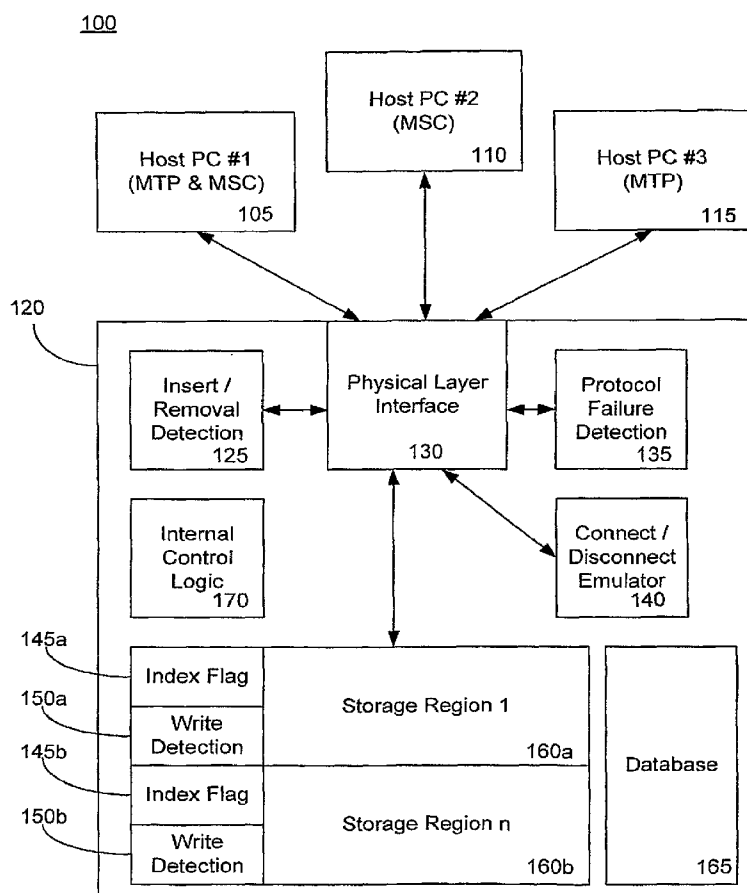
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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: MULTI-PROTOCOL REMOVABLE STORAGE DEVICE



(57) Abstract: A removable storage device that automatically selects a communication protocol to exchange information with a host computer includes a physical layer interface, a protocol failure detection module, a connect and disconnect emulator, an insert and removal detector, and internal control logic. The internal control logic coordinates detecting an attachment of the device to a target host computer and attempting an initial protocol for communication with the target host computer. The logic also logically disconnects and reconnects to the target host computer if the protocol failure detector indicates that the initial protocol has failed and then attempts a second protocol for communications with the target host computer. If successful, the device sets a success indicator to record which protocol was finally successful for communications with the target host computer. The success indicator is subsequently used to indicate which protocol to try first when the device is reconnected to a host computer.

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