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(54) **PARALLEL SCSI-TO-FIBRE CHANNEL GATEWAY**

(57) **ABSTRACT**

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A SCSI-to-fiber channel gateway configured to permit a SCSI initiator on a parallel SCSI bus to communicate with a fiber channel target on a fiber channel transport medium. The SCSI-to-fiber channel gateway includes a front-end SCSI controller configured to operatively couple the SCSI-to-fiber channel gateway with the parallel SCSI bus, and a back-end fiber channel controller configured to operatively couple the SCSI-to-fiber channel gateway with the fiber channel transport medium. The gateway further includes a processing system coupled with the front-end SCSI controller and the back-end fiber channel controller. The processing system is configured to maintain a fiber channel identifier for the fiber channel target, and create a mapping between the fiber channel identifier and a SCSI-ID associated with the parallel SCSI bus. The SCSI-to-fiber channel gateway is configured to use the mapping when communicating with the SCSI initiator to cause the fiber channel target to logically appear to the SCSI initiator as a SCSI target located on the parallel SCSI bus.

