

ABSTRACT

SPRAYING FOR UNEQUAL LINK CONNECTIONS IN AN INTERNAL SWITCH FABRIC

In general, techniques are described for facilitating balanced cell handling by fabric cores of a fabric plane for an internal device switch fabric. In some examples, a routing system includes a plurality of fabric endpoints and a switching fabric comprising a fabric plane to switch cells among the fabric endpoints. The fabric plane includes two fabric cores and one or more inter-core links connecting the fabric cores. Each fabric core selects an output port of the fabric core to which to route a received cell of the cells based on (i) an input port of the fabric core on which the received cell was received and (ii) a destination fabric endpoint for the received cell, at least a portion of the selected output ports being connected to the inter-core links, and switches the received cell to the selected output port.

(fig. 2)