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This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

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INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
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Additional inventors are being named on the _____ separately numbered sheets attached hereto		
TITLE OF THE INVENTION (500 characters max):		
Direct all correspondence to: CORRESPONDENCE ADDRESS		
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<input type="checkbox"/> Firm or Individual Name Teak Networks, Inc.		
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<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 <input type="checkbox"/> CD(s), Number of CDs _____		
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(if appropriate)

TELEPHONE 408-472-3273 Docket Number: M-0036 US

**LARGE SCALE CROSSPOINT REDUCTION WITH NONBLOCKING
UNICAST & MULTICAST IN ARBITRARILY LARGE MULTI-STAGE
NETWORKS**

5

Venkat Konda**BRIEF DESCRIPTION OF DRAWINGS**

FIG. 1A is a diagram of an exemplary multi-stage symmetrical network of five stages with $N = 8$ and $d = 2$ with exemplary unicast and multicast connections, strictly nonblocking network for unicast connections and rearrangeably nonblocking network for arbitrary fan-out multicast connections, in accordance with the invention.

FIG. 1B is a diagram of a general symmetrical multi-stage network with $(2 \times \log_d N) - 1$ stages strictly nonblocking network for unicast connections and rearrangeably nonblocking network for arbitrary fan-out multicast connections in accordance with the invention.

FIG. 2A is a diagram of an exemplary multi-stage symmetrical network of five stages with $N = 8$ and $d = 2$ with exemplary unicast and multicast connections, strictly nonblocking network for unicast and arbitrary fan-out multicast connections, in accordance with the invention.

FIG. 2B1 & FIG. 2B2 is a diagram of a general symmetrical multi-stage network with $(2 \times \log_d N) - 1$ stages strictly nonblocking network for unicast and arbitrary fan-out multicast connections in accordance with the invention.

FIG. 3A is a diagram of an exemplary multi-stage symmetrical network of five stages with $N = 8$ and $d = 2$, rearrangeably nonblocking network for unicast connections, in accordance with the invention.

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