

## U.S. Patent and Trademark Office Upholds FatPipe Networks' Patent Claim on WAN Load Balancing

Published Wednesday, November 01, 2017 by **David Marshall**

FatPipe Networks, the inventor and holder of multiple patents for software-defined networks for wide area connectivity and hybrid WANs, today announced that the United States Patent and Trademark Office Patent Court has upheld a signature claim in FatPipe's U.S. Patent No. 6,775,235 for load balancing over disparate networks.

FatPipe's 6,775,235 patent describes a system and method for communicating using two or more disparate networks in parallel, allowing for failover and load balancing of session flows and re-directing packets over multiple networks. This path selection ability represents the foundation of a hybrid WAN and the primary component of a SD-WAN solution. The key claim states:

A method for combining connections for access to parallel networks, the method comprising the steps of: sending a packet to a site interface of a

controller, the controller comprising the site interface which receives packets, at least two network interfaces to parallel networks, and a packet path selector which selects between the network interfaces on a per-session basis to promote load-balancing; and forwarding the packet-through the network interface selected by packet path selector; wherein the step of sending a packet to the controller site interface is repeated as multiple packets are sent, and the controller sends different packets of a given message to different parallel networks.

"This is an important step in establishing the strength of this claim, elevating it to a super claim status. Having gone through the most rigorous evaluation, we now have the ability to protect the company's invention on WAN load balancing for VoIP, VPN and data traffic for corporate networks. Along with other FatPipe Networks' patents,

this claim ensures that VoIP, Video, VPN and all data traffic can be load balanced and failed over without dropping sessions providing a superior SD-WAN product for customers. The benefits to customers are huge," said Dr. Ragula Bhaskar, CEO, FatPipe Networks.

FatPipe Networks' co-founders Dr. Ragula Bhaskar and Sanchaita Datta are the inventors of hybrid WAN and SD-WAN technology. This patent, as well as 10 additional patents and more than 180 technological claims cover the full spectrum of hybrid WAN and SD-WAN technology.