

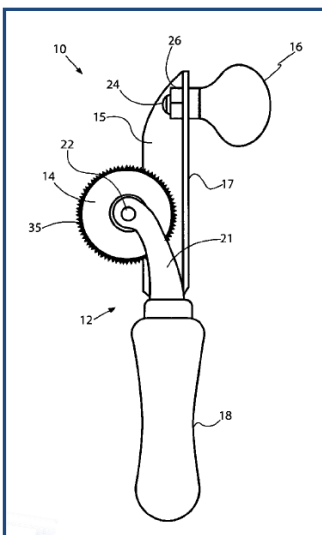
Tire Sidewall Stitcher Tool

United States Patent Number 8,215,361

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An Industry Challenge: The Role of a Tire Stitcher Tool in Manufacturing and Repair

A modern vehicle tire is comprised of laminations of bonded layers of rubber with an integral web of either steel wiring ("steel belted") or high strength glass or organic material ("glass," "rayon," or "poly cord" tires) to provide tensile strength to the tire running surface and sidewalls. For certain types of "stitching," either during manufacturing or as a result of road damage, a tire stitcher tool may be required. Uses for the tool can range from applying pressure to install and internal tire patch to more complex and difficult manufacturing functions such as closing seams and splices, or for correcting other flaws which might otherwise downgrade a tire or perhaps generate scrap.



Compelling Advantages: This New Tire Stitcher Is a Better Mousetrap

Traditional tire stitcher tools typically include a serrated wheel attached to wooden handle. The traditional design is widely sold to tire shops to help apply repair patches as the wheel is rolled over the cemented tire patch to work the rubber and cement into the inner surface of the tire. The roller applies localized pressure as it rolls across the patch without causing the patch to shift position before the cement cures.

In tire manufacturing, the skill and pressure levels required for tire stitching increases making traditional single handle stitcher tools difficult to use, especially on a daily basis. They may not get the job done properly or safely, and field blowouts can result. AmiCOUR is offering a newly patented, advanced tire stitcher which properly and safely applies the required pressure necessary to close splices and correct flaws arising during tire fabrication. Although the single handle stitcher has already proven frustrating and unsatisfactory in the manufacturing environment, this new patented tire stitcher is superior when offered to tire repair technicians in the aftermarket. This new invention can serve both markets.

Baughman's Patent: A New and Improved Product for Tool Manufacturers and Tire Producers

The Baughman Tire Sidewall Stitcher is the compelling invention of a talented, Ohio based inventor named Gilbert Baughman. His ideas span hand held tools which address difficult and frustrating tasks, allowing those tasks to be performed correctly, efficiently, and safely using his patented improvements. Confirming Baughman's success as an inventor, his new stitcher tool is the most convenient tool for correcting flaws and closing splices during tire fabrication, including closing both tread and wire belt splices. It will minimize costly tire rating downgrades by enabling faster, more effective sealing of an open sidewall splice during production. The key is the two handed tool's ability to exert ample pressure at the target area while requiring only relatively moderate force application from the user. In production environments, this equates to reducing worker hand and wrist injuries. The user grips the tire stitcher handle with one hand while the other hand pushes down and forward on the knob, something impossible using traditional tire stitcher tool design.

The successful buyer or licensee will be able to produce, use, and sell inventor Baughman's new patented tire stitcher to tire manufacturer's and as an improvement over the traditional tool used for aftermarket tire repair.

For More Information: Call Today!

AmiCOUR IP Group is pleased to offer additional information on purchase or licensing terms, including an opportunity to discuss the tire stitcher tool and market with Mr. Baughman. Call Scott Bechtel, CLP by phone at (765) 807-2480 or send an email to sbechtel@amicourip.com. Notice: The purchase or licensing of intellectual property carries inherent risk and prospective buyers or licensees should seek professional assistance if they are not familiar with intellectual property assets, patent law, and licensing practices.