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[U.S. Patent No. 12,090,719](#) entitled “Method and System for Applying a Sealing Agent to the Surface of an Internal Cavity of a Pneumatic Tire” issued September 17, 2024 to Bridgestone Europe NVSA [BE/BE]. Invented by Roberto Pontone of Rome, Italy and Paolo Straffi of Rome, Italy. **Abstract:** A method and system for applying a sealing agent to a surface (2) of an inner cavity (3) of a pneumatic tyre; the method provides for detecting the weight of the pneumatic tyre (4) before and after the application of the sealing agent to the surface (2); calculating the difference between the quantity of sealing agent applied to the surface (2) and a reference quantity of sealing agent, storing said difference within a short-term memory buffer (24) and a long-term memory buffer (26); determining a short-term compensation factor (K.sub.ST) and a long-term compensation factor (K.sub.LT) and calculating a correction factor (K.sub.EA) using alternately the short-term compensation factor (K.sub.ST) or else the long-term compensation factor (K.sub.LT); and using said correction factor (K.sub.EA) to actuate an applicator device (7) during the subsequent step of applying the strip of sealing agent to the surface (2).