

TYRE BALANCING COMPOSITION

ABSTRACT

A tyre gel balancing composition having a storage modulus of between 3000 and 15000 Pa and the specific gravity less than 1000 kg/m³ in the temperature range between -20 and +90°C, preferably its storage modulus is about 9000 Pa, is capable of balancing tyres by being able to flow under the vibrations caused by imbalance in a wheel assembly. The composition preferably comprises a mixture of: 1) paraffinic oils, polybutene oils, polyolesters or polyol ethers; 2) hydrophobic or hydrophilic fumed silica; 3) polyalkyl-methacrylates, styrene-ethylene-propylene block copolymers or polyhydroxycarboxylic acid derivatives; and optionally corrosion inhibitors and antioxidants.

(Figure 2)