

C A vol 83 61074n, Less Abrasive Composition Railroad Brake Shoe Material, Adelmann

C A vol 85 165565f, Glass-fiber-based friction material, Sasahara

C A vol 79 80031e, Fiber Strengthened Friction Material, Augustin

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Parent Case Text

This is a continuation of application Ser No 815,637, filed July 14, 1977, now abandoned

Claims

I claim

1. An asbestos-free and lead-free composition friction material, comprising, by weight, 0.5-11% fiber, of which at least 0.5% is synthetic fiber, 66-81% filler and 14-21% organic binder

2. The friction material of claim 1, wherein the fiber content includes at least 1% glass fiber

3. An asbestos-free and lead-free composition friction material, comprising, by weight, 1.5-10% fiber, of which at least 0.5% is synthetic fiber and at least 0.4% is cellulose fiber, 66-80% filler and 14-21% organic binder

4. The friction material of claim 3, wherein the fiber content includes at least 1.5% glass fiber

5. An asbestos-free and lead-free composition friction material, comprising, by weight, 5-10% fiber, of which at least 2.5% is synthetic fiber and at least 2.5% is cellulose fiber, 72-79% filler and 14-19% organic binder

6. The friction material of claim 5, wherein the synthetic fiber is glass fiber

7. An asbestos-free and lead-free composition friction material, comprising, by weight, 2-5% fiber, of which at least 1% is synthetic fiber and at least 0.5% is cellulose fiber, 72-82% filler and 14-21% organic binder

8. The friction material of claim 7, wherein the synthetic fiber is glass fiber

9. An asbestos-free and lead-free composition friction material, comprising, by weight, 0.5-7% synthetic fiber, 72-81% filler and 15-21% organic binder

10. The friction material of claim 9, wherein the synthetic fiber is glass fiber

11. An asbestos-free and lead-free composition friction material, comprising, by weight, 0.5-2% synthetic fiber, 74-82% filler and 15-22% organic binder