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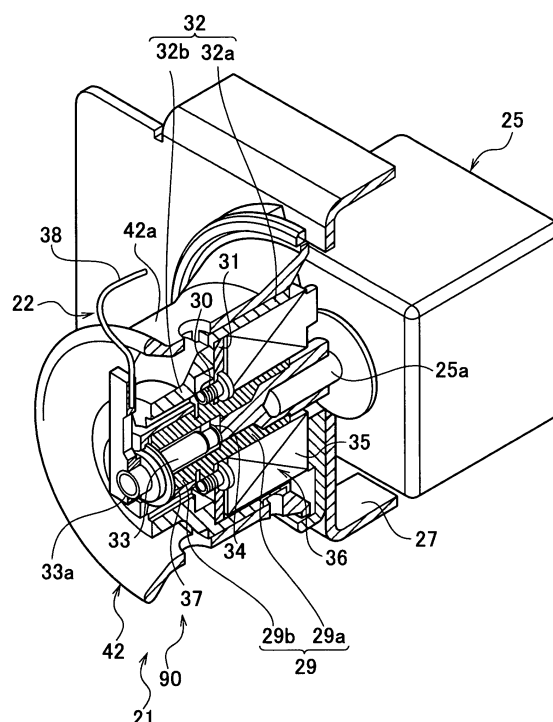
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(54) **Yarn slack eliminating device and spinning machine**

(57) An object of the present invention is to provide a yarn slack eliminating device that enables tension applied to a yarn to be controlled while a spinning machine is in operation. A yarn slack eliminating device 12 includes an electric motor 25, a yarn slack eliminating roller 21, a yarn hooking member 22, an electromagnet 36, and a control section 74. The yarn slack eliminating roller 21 is rotationally driven by the electric motor 25. The yarn hooking member 22 is concentrically attached to the yarn slack eliminating roller 21 so as to be rotatable relative to the yarn slack eliminating roller 21. The electromagnet 36 generates a magnetic field to be applied to the yarn hooking member 22. The control section allows the magnetic field to generate a resistance torque resisting the rotation of the yarn hooking member 22 relative to the yarn slack eliminating roller 21. The control section 74 also controls an input to the electromagnet 36 to control the resistance torque (Fig. 3).

**FIGURE 3**





## EUROPEAN SEARCH REPORT

Application Number  
EP 08 02 0198

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