

Title (en)
FIBERS TO WHICH SILICONE HAS BEEN FIXED, AND PRODUCTION METHOD THEREOF

Title (de)
FASERN, AN DIE SILIKON FIXIERT IST, UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FIBRES AUXQUELLES EST FIXÉE UNE SILICONE, ET PROCÉDÉ DE FABRICATION DE CELLE-CI

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Application
EP 18776645 A 20180316

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Abstract (en)
In one embodiment, the present invention relates to silicone-fixed fibers including fibers and silicone fixed to the fibers. The silicone includes an acrylic-modified organopolysiloxane (A) having two or more acrylic groups per molecule. A rate of decrease in the amount of Si after the silicone-fixed fibers are washed 10 times is less than 50%. The present invention relates to a method for producing silicone-fixed fibers. The method includes coating or impregnating the fibers with a fiber treatment agent containing silicone, and irradiating the fibers coated or impregnated with the fiber treatment agent with an electron beam so that the silicone is fixed to the fibers. The silicone includes an acrylic-modified organopolysiloxane (A) having two or more acrylic groups per molecule. Thus, the present invention provides silicone-fixed fibers that include fibers to which silicone is fixed by electron beam irradiation and have a good texture even after washing, and a method for producing the silicone-fixed fibers.

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