

Title (en)  
DEVICE FOR TREATING TEXTILES WITH A PHYSICAL PLASMA

Title (de)  
VORRICHTUNG ZUM BEHANDELN VON TEXTILIEN MIT EINEM PHYSIKALISCHEN PLASMA

Title (fr)  
DISPOSITIF DE TRAITEMENT DE TEXTILES AU MOYEN D'UN PLASMA PHYSIQUE

Publication  
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Application  
**EP 20721171 A 20200416**

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Abstract (en)  
[origin: WO2020216675A2] The invention relates to a device (1) for treating textiles (18) with a physical plasma (17), comprising two roller-type electrodes (2, 3) which are rotatably mounted about a respective roller axis (4, 5) and each of which has an electrically conductive core (6, 7) and a roller casing (8, 9) that surrounds the core (6, 7) and is made of a dielectricum, the roller casings (8, 9) of the electrodes lying opposite each other, and comprising an alternating high-voltage generator (12), the two outputs (13, 14) of which are connected to the electrically conductive cores (6, 7) of the two electrodes (2, 3) during the operation of the device (1) and which is designed to produce an alternating high voltage between the two electrodes (2, 3). According to the invention, the roller casing (8, 9) of at least one of the two electrodes (2, 3) is at least 2 mm thick and is made of an elastically deformable dielectric material (10), and the two electrodes (2, 3) are freely accessible in order to directly introduce the textiles (18) between the two electrodes (2, 3) during the operation of the device (1).

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