

Title (en)  
COMPOSITION FOR PRODUCING HEARING DEVICE COMPONENTS

Title (de)  
ZUSAMMENSETZUNG ZUR HERSTELLUNG VON HÖRGERÄTEKOMPONENTEN

Title (fr)  
COMPOSITION DE FABRICATION DE COMPOSANTS DE PROTHÈSE AUDITIVE

Publication  
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Application  
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Abstract (en)  
[origin: WO2019149900A1] The invention relates to a composition for producing a hearing device component (5, 13), comprising 60 % by volume to 95 % by volume of at least one thermoplastic plastic material selected from a group consisting of liquid-crystalline polymers (LCP), polyesters (PE), polyamides (PA) and polyphthalamides (PPA), and comprising 5 % by volume to 40 % by volume of at least one filling material selected from a group consisting of barium titanate, carbon nanotubes, barium strontium titanate (BaxSr1-xTiO3), titanium dioxide, lead zirconate titanate (PZT) and lead magnesium niobate titanate (PMNT), wherein the composition has a loss factor  $\tan \delta$  below 0.01 and a relative permittivity  $\epsilon_r$  above 5, in particular in a range between 5 and 10, in a frequency range between 2.0 GHz and 3.0 GHz, in particular in a frequency range between 2.4 GHz and 2.5 GHz. The invention further relates to a hearing device component (5, 13) comprising a correspondingly assembled base body (1, 15).

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