

Title (en)  
NANOSTRUCTURED ACTIVE INGREDIENT CARRIER SYSTEM

Title (de)  
NANOSTRUKTURIERTES WIRKSTOFFTRÄGERSYSTEM

Title (fr)  
SYSTÈME SUPPORT NANOSTRUCTURÉ DE PRINCIPE ACTIF

Publication  
**EP 3568125 A1 20191120 (DE)**

Application  
**EP 18703472 A 20180110**

Priority  
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Abstract (en)  
[origin: WO2018130247A1] The invention relates to a nanostructured active ingredient carrier system, in particular for reducing cytotoxic properties owing to the use of a sheath polymer and the transport resulting therefrom, for interactions with cell membranes during the transport of hydrophilic constituents and, in connection therewith, the generation of an early endosomal escape of the interaction complex from the carrier system. The problem addressed by the present invention is that of specifying a nanostructured active ingredient carrier system which avoids the disadvantages of the prior art and in particular permits a reduction in cytotoxic properties owing to the use of a sheath polymer and the transport resulting therefrom. This problem is solved in that a nanostructured active ingredient carrier system is provided in the form of a particle consisting of a carrier sheath, wherein the carrier sheath comprises at least one or more hydrophobic sheath polymers, one or more charged complexing polymers and one or more hydrophilic active ingredients, wherein the complexing polymer interacts with the active ingredient.

IPC 8 full level  
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