

11. The device of any one of claims 6 to 10, wherein:

the channels systems are embedded in the base layer, wherein each of the openings at a distal end of a channel is arranged on the inner surface of the base layer; or,

as far as this claim is dependent on claim 5, the channel systems are at least partly embedded in the base layer and/or at least partly embedded in one or more of the additional layers, wherein each of the openings at a distal end of a channel is arranged on the inner surface of the base layer or within one of the additional layers or on the surface of one of the additional layers.

12. The device of any one of claims 1 to 11, wherein the channels of at least part of the agent channel systems are at least partly isolated against electromagnetic radiation, preferably isolated against electromagnetic radiation with a wavelength in the range between 100 nm and 2000 nm, and most preferably isolated against electromagnetic radiation with a wavelength in the range between 300 nm and 800 nm.

13. The device of any one of claims 1 or 12, wherein the inner surface of the disc has a structure adapted to allow for an improved distribution of agent when agent is lead through the agent channel system(s), and wherein the surface structure can comprise chamfers, or elements such as bars, half-spheres, pyramids or cones.

14. The device of ~~any one of claims 1 to 13~~5, wherein one of the additional layers can be made of a sponge or a sponge-like material or a porous material preferably being sterilisable and/or heat-resistant, and wherein at least part of the distal openings of at least part of the agent channel systems are arranged within or at the outer side of the layer(s) made from a sponge or a sponge-like material or a porous material.

15. The device of any one of claims 1 to 14, wherein the channels of the optical guiding system(s) comprise one or more bundles of optical conductors, for example optical fibres, and wherein at each split of a channel, the bundle comprised in the channel is fanned out into a number of smaller bundles, the number of smaller bundles corresponding to the number of the two or more subsequent channels, such that each of the two or more subsequent channels comprises one of the smaller bundles.

16. The device of ~~any one of claims 1 to 15~~5, wherein at least one of the additional layers is a diffuser adapted for diffusing electromagnetic waves, and wherein at least part of the distal openings of at least part of the optical guiding systems are arranged within or at the outer side of the additional layer(s) being a diffuser.

17. The device of any of claims 1 to 16, wherein the device comprises two, three, four, or more independent optical guiding systems, and wherein each of the optical guiding subsystems is adapted for guiding a certain range of electromagnetic radiation, and, preferably, wherein the proximal end of the first channel of each of the optical guiding systems is connectable to a source of electromagnetic radiation, preferably such that each of the optical guiding systems can be supplied independently with electromagnetic radiation.

18. The device of any one of claims 1 to 10, wherein at least one of the channel systems is configured as a cleaning system such that the channels of the cleaning system(s) are tubes adapted to lead an agent, and wherein preferably the distal openings of each of the cleaning system(s) are arranged on the outer surface of the disc and/or on the edge of the disc.

19. The device of claim 18, wherein:

at least one of the cleaning system(s) is configured as a suction system, wherein the proximal end of the first channel of each of the suction system(s) is connectable to a pump