

Printing plate and polymeric coating material for same**Abstract**

The invention relates to a coating material for coating a metal or non-metal printing plate, comprising a liquid starting material which can be polymerised using UV light in order to form a polymer matrix, and comprising a filling material which can be covalently incorporated into a polymer matrix of the starting material. The filling material is of a sub-microscale size, wherein absorption of IR radiation can be brought about by the filling material in the starting material, said absorption being higher than an absorption without filling material. The invention also relates to a printing plate comprising a cylindrical main body, wherein a polymer layer is applied to at least parts of a circumferential surface of the main body, with the polymerisation thereof being induced by UV light, wherein the polymer layer has a sub-microscale filling material, and wherein a higher absorption of infrared radiation is brought about using the filling material in the polymer layer than in the polymer layer without filling material.

Fig. 1

