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Application

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Abstract (en)

[origin: WO2019110547A1] The invention relates to a plug (1) for inserting into at least two layers (5, 6) made of electrically conductive material and into a layer (7) made of material conducting light waves, having a housing (2), at least two electrical contact elements (8, 9), which are insulated from each other, and a light-guiding optical contact element (10). The at least two electrical contact elements (8, 9) and the light-guiding optical contact element (10) are arranged on at least one connection pin (3, 3a, 3b, 3c), which protrudes from the housing (2) and which is formed so as to converge to at least one point (S) at the end (3s) furthest from the housing (2), with the electrical contact elements (8, 9) being arranged at different longitudinal positions (L8, L9) on the at least one connection pin (3, 3a, 3b, 3c). The housing (2) has at least one socket (11) for a plug connector (V) of an electrical and/or optical device (G), which is to be connected to the connection pin (3, 3a, 3b, 3c), and the socket (11) has at least one connection (12, 12a, 12b), which is connected to at least one of the electrical contact elements (8, 9) and to the optical contact element (10). The housing (2) has a control unit (13), via which the electrical contact elements (8, 9) and/or the optical contact element (10) are connected to the at least one connection (12, 12a, 12b).

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