

Title (en)

METHOD FOR PRODUCING A SELF-SUPPORTING METAL FILM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER SELBSTTRAGENDEN METALLFOLIE

Title (fr)

PROCEDE POUR PRODUIRE UNE FEUILLE METALLIQUE AUTOPORTANTE

Publication

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Application

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Abstract (en)

[origin: DE19857157A1] The invention relates to a method for producing a self-supporting metal film (40), especially copper film, which has a lower cohesive strength due to its microstructure and which can be formed so as to produce sharp edges. According to the invention, a base layer is deposited on the cylinder cathode (22) in a galvanic manner. A cauliflower-like structure (60) is adherently deposited from the metal onto the metal base layer (58) by means of an additional anode (32) between the cylinder cathode (22) and the anode basket (24). The metal film (40) consisting of the metal base layer (58) and the cauliflower-like structure (60) is removed from the cylinder cathode (22), rinsed and dried. The dried film (40) consisting of the metal base layer (58) which is provided with the cauliflower-like structure (60) is moved through a black oxide bath (46), whereupon rinsing and drying occurs.

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