

Title (en)  
ALUMINUM ALLOY MEMBER AND METHOD FOR MANUFACTURING SAME

Title (de)  
ALUMINIUMLEGIERUNGSELEMENT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
ÉLÉMENT EN ALLIAGE D'ALUMINIUM ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 4130315 A4 20230823 (EN)**

Application  
**EP 21774412 A 20210310**

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Abstract (en)  
[origin: EP4130315A1] The present invention provides: an aluminum alloy member which can be manufactured at a relatively low cost and has a light weight, and which can have high dimensional accuracy under a high-temperature environment and is less likely to undergo the color-fading of a blackened surface even under a high-temperature environment, and has excellent heat resistance; and a method for manufacturing the aluminum alloy member with high efficiency. The aluminum alloy member according to the present invention comprises: a substrate which comprises an extruded material of an aluminum powder alloy having an Si content of 20 to 40% by mass and has an anodic oxide coating film formed on the surface thereof; and an electrolytically colored layer which is formed by precipitating a metal or a metal salt on voids in the anodic oxide coating film.

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Citation (search report)  
• [Y] WO 2019116755 A1 20190620 - NIPPON LIGHT METAL CO [JP], et al & EP 3726292 A1 20201021 - NIPPON LIGHT METAL CO [JP]  
• [Y] EP 3062149 A1 20160831 - NIPPON LIGHT METAL CO [JP]  
• [Y] JP H09236908 A 19970909 - SKY ALUMINIUM  
• See references of WO 2021193064A1

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