

Title (en)

HIGH STRENGTH MAGNESIUM ALLOY WITH EXCELLENT FLAME RETARDANCY, AND METHOD FOR PRODUCING SAME

Title (de)

HOCHFESTE MAGNESIUMLEGIERUNG MIT HERVORRAGENDER FLAMMHEMMUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGE DE MAGNÉSIUM DE RÉSISTANCE ÉLEVÉE PRÉSENTANT UNE EXCELLENTE ININFLAMMABILITÉ, ET SON PROCÉDÉ DE PRODUCTION

Publication

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Application

EP 17883943 A 20171221

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Abstract (en)

An aspect of the present invention relates to a high strength magnesium alloy with excellent flame retardancy, wherein the magnesium alloy comprises 2.0-13.0 wt% of Al, 0.1-0.5 wt% of Mn, 0.0015-0.025 wt% of B, and 0.1-1.0 wt% of Y with the remainder comprising Mg and other unavoidable impurities, and comprises 6.5% or more of an Mg-Al intermetallic compound in terms of volume fraction, the Mg-Al intermetallic compound having an average grain size of 20-500 nm.

IPC 8 full level

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