

Title (en)

An aluminium alloy for heating rollers.

Title (de)

Aluminium-Legierung für Wärmerollen.

Title (fr)

Alliage d'aluminium pour rouleaux à chauffage.

Publication

EP 0490664 A1 19920617 (EN)

Application

EP 91311539 A 19911211

Priority

JP 41044090 A 19901212

Abstract (en)

An alloy for heating rollers consisting essentially of, by weight, 0.4 to 0.6% of Fe, 0.15 to 0.6% of Cu, 0.6 to 1.5% of Mn, and 3.0 to 4.5% of Mg; and the Si content being restricted to less than 0.5% by weight; and aluminum and inevitable impurities for the remaining part. Preparing an alloy of this concentration, it is possible to provide an aluminum alloy which is excellent in strength, machinability, and formability, and where blackening process for improving the heat absorption efficiency can be completed by oxidizing the surface thereof at a high temperature.

IPC 1-7

C22C 21/06; **G03G 15/20**

IPC 8 full level

C22C 21/06 (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP)

C22C 21/06 (2013.01); **G03G 15/2057** (2013.01)

Citation (search report)

- [A] EP 0312058 A2 19890419 - CANON KK [JP]
- [A] DE 3247698 A1 19840705 - ALUSUISSE [CH]
- [A] EP 0298876 A1 19890111 - CEGEDUR [FR]

Cited by

US6978110B2; US7079801B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0490664 A1 19920617; JP H04210445 A 19920731

DOCDB simple family (application)

EP 91311539 A 19911211; JP 41044090 A 19901212