

Title (en)

Casting Al-Li alloys.

Title (de)

Giessen von Al-Li-Legierungen.

Title (fr)

Procédé pour couler des alliages Al-Li.

Publication

EP 0281238 A1 19880907 (EN)

Application

EP 88300635 A 19880126

Priority

GB 8702837 A 19870209

Abstract (en)

Aluminium-lithium alloys are cast on a twin-roll caster under an inert atmosphere to give a cast slab from 2-7 mm, and preferably 2-4 mm, thick. Alloys may be of the 2000 or 8000 Series. Casting speed may be from 50-200 cm/min and the diameter of the rolls from 20-50 cm. The alloys are more easily cast with less centre-line segregation than are Al-Mg alloys of comparable long melting range. The case slabs are in a suitable form for cold rolling to make sheet.

IPC 1-7

B22D 11/06

IPC 8 full level

B22D 11/00 (2006.01); **B22D 11/06** (2006.01)

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Citation (search report)

- [AD] BE 427270 A
- [YD] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 88 (M-467)[2145], 5th April 1986, page 94 M 467; & JP-A-60 227 950 (PIONEER K.K.) 13-11-1985
- [YD] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 149 (M-225)[1294], 30th June 1983, page 45 M 225; & JP-A-58 058 963 (MITSUBISHI KEIKINZOKU KOGYO K.K.) 07-04-1983
- [AD] JOURNAL OF METALS, vol. 34, no. 6, June 1982, pages 70-75, Warrendale, US; I.JIN et al.: "Centerline segregation in twin-roll-cast aluminum alloy slab"
- [AP] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 184 (C-427)[2631], 12th June 1987; & JP-A-62 004 842 (FURUKAWA ELECTRIC CO., LTD.) 10-01-1987 (Cat. A)
- [AD] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 71 (M-126)[949], 6th May 1982, page 129 M 126; & JP-A-57 011 752 (PIONEER K.K.) 21-01-1982

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