

Title (en)
Aluminium alloy.

Title (de)
Aluminium-Legierung.

Title (fr)
Alliage d'aluminium.

Publication
EP 0539172 A1 19930428 (EN)

Application
EP 92309591 A 19921021

Priority
• JP 28054392 A 19920925
• JP 30396491 A 19911022

Abstract (en)
An aluminum alloy consists essentially of 90 to 99.5% by weight of matrix and 0.5 to 10% by weight of a dispersant dispersed within the matrix. The matrix comprises 10 to 25% by weight of Si, 5 to 20% by weight of Ni, 1 to 5% by weight of Cu and the rest of Al and impurity elements. The dispersant is at least one selected from the group consisting of 0.5 to 10% of nitride, boride, carbide and oxide. The aluminum alloy shows excellent tensile strength and wear resistance. <IMAGE>

IPC 1-7
C22C 1/09; C22C 32/00

IPC 8 full level
C22C 32/00 (2006.01)

CPC (source: EP)
C22C 32/00 (2013.01)

Citation (search report)
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• [Y] EP 0363225 A2 19900411 - HONDA MOTOR CO LTD [JP]
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• [Y] DE 3807541 C1 19890727
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• [X] PATENT ABSTRACTS OF JAPAN vol. 13, no. 255 (C-606)13 June 1989 & JP-A-01 056 844 (SHOWA DENKO K.K.) 3 March 1989
• [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 589 (C-670)25 December 1989 & JP-A-01 247 546 (SHOWA DENKO K.K.) 3 October 1989
• [Y] CHEMICAL ABSTRACTS, vol. 104 Columbus, Ohio, US; abstract no. 73412, KOMURO, KATSUHIRO ET AL. 'Cast aluminum alloy composites containing dispersed ceramic powder'
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