

Title (en)  
IRON-NICKEL ALLOY

Title (de)  
EISEN-NICKEL-LEGIERUNG

Title (fr)  
ALLIAGE FER-NICKEL

Publication  
**EP 1173628 B1 20020925 (DE)**

Application  
**EP 00905008 A 20000202**

Priority  
• DE 19920144 A 19990503  
• EP 0000840 W 20000202

Abstract (en)  
[origin: DE19920144C1] Iron-nickel alloy having a thermal expansion coefficient of less than  $0.6 \times 10^{-6}/K$  at 20-100 deg C and a specified composition is used for shadow masks and frame parts of screens, passive components of thermo-bimetals, in the production, storage and transport of liquefied gases or for components of laser technology. The iron-nickel alloy contains up to 0.009 carbon, up to 0.1 manganese, up to 0.1 silicon, up to 0.1 aluminum, 0.5-2.0 cobalt, 35.0-36.0 nickel and a balance of iron

IPC 1-7  
**C22C 38/52**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 38/10** (2006.01); **C22C 38/52** (2006.01)

CPC (source: EP KR)  
**C22C 38/08** (2013.01 - KR); **C22C 38/105** (2013.01 - EP)

Cited by  
CN111763891A

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**DE 19920144 C1 20000803**; CN 1110576 C 20030604; CN 1348508 A 20020508; DE 50000570 D1 20021031; EP 1173628 A1 20020123; EP 1173628 B1 20020925; HK 1045718 A1 20021206; JP 2002543291 A 20021217; KR 100636082 B1 20061018; KR 20020016622 A 20020304; TW 524861 B 20030321; WO 0066802 A1 20001109

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**DE 19920144 A 19990503**; CN 00806697 A 20000202; DE 50000570 T 20000202; EP 0000840 W 20000202; EP 00905008 A 20000202; HK 02106790 A 20020917; JP 2000615423 A 20000202; KR 20017013986 A 20011102; TW 89102201 A 20000210