

Title (en)
CORROSION RESISTANT ZIRCONIUM ALLOYS CONTAINING BISBUTH

Publication
EP 0287889 B1 19910410 (EN)

Application
EP 88105454 A 19880406

Priority
US 4150887 A 19870423

Abstract (en)
[origin: EP0287889A1] Zirconium-based corrosion resistant alloys for use primarily as a cladding material for fuel rods in a boiling water nuclear reactor which consist essentially of 0.5 to 2.5 weight percent bismuth, or alternatively, 0.5 to 2.5 weight percent of a mixture of tin and bismuth, 0.5-1.0 weight percent of a solute composed of a member selected from the group consisting of niobium, molybdenum, tellurium, and mixture thereof, alternatively, the solute will be composed of tellurium and will be in the range of 0.3-1.0 weight percent, and the balance being zirconium.

IPC 1-7
C22C 16/00; G21C 3/20

IPC 8 full level
C22C 16/00 (2006.01)

CPC (source: EP)
C22C 16/00 (2013.01)

Cited by
US6511556B1; EP0964406A1; EP0964407A1; EP0867518A1; EP0867888A1; EP0549179A1; EP0867889A1; EP0399223A1; US5026516A; US6319339B1

Designated contracting state (EPC)
CH DE ES IT LI SE

DOCDB simple family (publication)
EP 0287889 A1 19881026; EP 0287889 B1 19910410; DE 3862338 D1 19910516; ES 2021406 B3 19911101; FI 86994 B 19920731; FI 86994 C 19921110; FI 881897 A0 19880422; FI 881897 A 19881024; JP H0660364 B2 19940810; JP S63290234 A 19881128; TW 223124 B 19940501

DOCDB simple family (application)
EP 88105454 A 19880406; DE 3862338 T 19880406; ES 88105454 T 19880406; FI 881897 A 19880422; JP 9849188 A 19880422; TW 77101875 A 19880322