

Title (en)
TURBINE BUCKET

Title (de)
TURBINENSCHAUFEL

Title (fr)
PALE DE TURBINE

Publication
EP 1112439 A1 20010704 (DE)

Application
EP 99952439 A 19990818

Priority
• DE 9902596 W 19990818
• DE 19839624 A 19980831

Abstract (en)
[origin: WO0012868A1] The invention relates to a turbine bucket (1), comprising an interior space (5) through which a cooling liquid (12) is guided and wherein supporting ribs (7) are arranged. Cold insulation plates (11) are arranged in front of the support ribs (7) to reduce thermal stresses. These plates restrict the cooling of the support ribs (7). The inventive turbine bucket (1) is preferably a gas turbine bucket (1).

IPC 1-7
F01D 5/18

IPC 8 full level
F01D 5/18 (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP US)
F01D 5/188 (2013.01 - EP US)

Citation (search report)
See references of WO 0012868A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0012868 A1 20000309; DE 59905944 D1 20030717; EP 1112439 A1 20010704; EP 1112439 B1 20030611; JP 2002523675 A 20020730; JP 4315599 B2 20090819; US 2001018021 A1 20010830; US 6533547 B2 20030318

DOCDB simple family (application)
DE 9902596 W 19990818; DE 59905944 T 19990818; EP 99952439 A 19990818; JP 2000567826 A 19990818; US 79630901 A 20010228