

Title (en)
OXIDE FILM REMOVAL METHOD

Title (de)
OXIDFILMENTFERNUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE RETRAIT DE FILM D'OXYDE

Publication
EP 3266902 B1 20200101 (EN)

Application
EP 16792573 A 20160427

Priority
• JP 2015096027 A 20150508
• JP 2016063267 W 20160427

Abstract (en)
[origin: EP3266902A1] An oxide film removal method that is a method for removing an oxide film 20 on the surface of a superalloy part 1 that contains a first metal, which is a base metal, and a second metal that differs from the first metal. The oxide film removal method is provided with a step for placing the superalloy part 1 inside a heating chamber 50, a reducing step for reducing oxides of the base metal to the base metal by heating the interior of the heating chamber 50 while maintaining a reducing gas atmosphere or a vacuum atmosphere, and an acid treatment step for applying an acid solution on the superalloy part 1 after the reducing step. The method effectively removes an oxide film on the surface of a superalloy without using highly toxic gaseous fluoride.

IPC 8 full level
C23F 1/00 (2006.01); **C23F 1/28** (2006.01); **C23G 5/00** (2006.01)

CPC (source: EP US)
C23F 1/00 (2013.01 - US); **C23F 1/28** (2013.01 - EP US); **C23G 1/10** (2013.01 - EP); **C23G 1/125** (2013.01 - EP); **C23G 5/00** (2013.01 - EP US)

Designated contracting state (EPC)
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