

Title (en)  
METHOD FOR THE BATCH HEAT-TREATMENT OF ANNEALING PRODUCT

Title (de)  
VERFAHREN ZUR CHARGENWEISEN WÄRMEBEHANDLUNG VON GLÜHGUT

Title (fr)  
PROCEDE POUR REALISER UN TRAITEMENT THERMIQUE DE MATIERE DE RECUIT PAR CHARGES SUCCESSIVES

Publication  
**EP 1885894 B1 20080903 (DE)**

Application  
**EP 06721250 A 20060511**

Priority  
• AT 2006000194 W 20060511  
• AT 8132005 A 20050512

Abstract (en)  
[origin: WO2006119526A1] The invention concerns a method for the batch heat-treatment of annealing product, which in an annealing chamber, from which the air is first flushed using flush gas, is heated to the treatment temperature in an inert gas atmosphere, different quantities of the inert gas being fed through the annealing chamber according to the amount of impurities. In order to allow economical use of the inert gas, it is proposed that the inert gas which is withdrawn following the main accumulation of impurities and which is charged with a residual quantity of impurities be optionally fed to the annealing chamber, following temporary storage, for subsequent charging during the main accumulation of impurities, before inert gas with no impurities is introduced into the annealing chamber.

IPC 8 full level  
**C21D 1/76** (2006.01); **C21D 1/74** (2006.01)

CPC (source: EP KR US)  
**C21D 1/74** (2013.01 - EP KR US); **C21D 1/76** (2013.01 - EP KR US)

Citation (examination)  
DE 10347312 B3 20050414 - AIR LIQUIDE DEUTSCHLAND GMBH [DE], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006119526 A1 20061116**; AT 502238 A1 20070215; AT 502238 B1 20071215; AT E407226 T1 20080915; BR PI0609230 A2 20100309; BR PI0609230 B1 20140218; CN 101203620 A 20080618; CN 101203620 B 20100609; DE 502006001513 D1 20081016; EP 1885894 A1 20080213; EP 1885894 B1 20080903; JP 2008540833 A 20081120; JP 5086244 B2 20121128; KR 20080023289 A 20080313; PL 1885894 T3 20090227; RU 2007146147 A 20090620; RU 2398893 C2 20100910; UA 92173 C2 20101011; US 2009026666 A1 20090129; US 7875235 B2 20110125

DOCDB simple family (application)  
**AT 2006000194 W 20060511**; AT 06721250 T 20060511; AT 8132005 A 20050512; BR PI0609230 A 20060511; CN 200680015825 A 20060511; DE 502006001513 T 20060511; EP 06721250 A 20060511; JP 2008510351 A 20060511; KR 20077026100 A 20071109; PL 06721250 T 20060511; RU 2007146147 A 20060511; UA A200712790 A 20060511; US 91968906 A 20060511