

Title (en)

PROCESS FOR CONNECTING METALLIC STRUCTURAL ELEMENTS AND COMPONENTS PRODUCED THEREBY

Title (de)

VERFAHREN ZUM VERBINDEN VON METALLISCHEN BAUELEMENTEN UND DAMIT HERGESTELLTES BAUTEIL

Title (fr)

PROCÉDÉ POUR RELIER DES ÉLÉMENTS DE CONSTRUCTION MÉTALLIQUES ET COMPOSANT AINSI FABRIQUÉ

Publication

EP 1996363 A1 20081203 (DE)

Application

EP 07722026 A 20070314

Priority

- DE 2007000453 W 20070314
- DE 102006012662 A 20060320

Abstract (en)

[origin: DE102006012662A1] Process for bonding metal components, especially gas turbine components in which the surfaces to be bonded are bonded together by inductive high frequency pressure welding. The component metals can be the same or different with different permeabilities and/or heat conductivity. During welding at least one of the process parameters is controlled so that the bonding surfaces are heated simultaneously to a point at least close to the m.pt. of the metal materials. An independent claim is included for a gas turbine component.

IPC 8 full level

B23K 13/01 (2006.01)

CPC (source: EP US)

B23K 13/01 (2013.01 - EP US); **F01D 5/3061** (2013.01 - EP US); **B23K 2101/001** (2018.07 - EP US)

Citation (search report)

See references of WO 2007110036A1

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