

Title (en)

METHOD OF JOINING USING REACTIVE MULTILAYER FOILS WITH ENHANCED CONTROL OF MOLTEN JOINING MATERIALS

Title (de)

VERFAHREN ZUR VERBINDUNG UNTER VERWENDUNG VON REAKTIVEN MEHRSCICHTIGEN FOLIEN MIT VERBESSERTER STEUERUNG VON GESCHMOLZENEN VERBINDUNGSMATERIALIEN

Title (fr)

PROCEDE D'ASSEMBLAGE AU MOYEN DE FEUILLES MULTICOUCHES REACTIVES A REGULATION AMELIOREE DE MATIERES D'ASSEMBLAGE FONDUS

Publication

EP 1648652 A4 20080109 (EN)

Application

EP 04817733 A 20040723

Priority

- US 2004023838 W 20040723
- US 48937803 P 20030723

Abstract (en)

[origin: WO2005051815A2] Bodies of materials are joined by disposing between them a reactive multilayer foil (14) and one or more layers of meltable joining material such as braze or solder (22).

IPC 8 full level

B23K 1/00 (2006.01); **B23K 20/02** (2006.01); **B23K 20/16** (2006.01); **B23K 35/02** (2006.01); **B23K 35/14** (2006.01)

IPC 8 main group level

B65H (2006.01)

CPC (source: EP)

B23K 1/0006 (2013.01); **B23K 20/023** (2013.01); **B23K 20/16** (2013.01); **B23K 20/165** (2013.01); **B23K 35/0238** (2013.01)

Citation (search report)

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- [A] US 5038996 A 19910813 - WILCOX JAMES R [US], et al
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- [X] SWISTON, A. J. ET AL: "Joining bulk metallic glass using reactive multilayer foils", SCRIPTA MATERIALIA , 48(12), 1575-1580 CODEN: SCMAF7; ISSN: 1359-6462, 2003, XP002458865
- See references of WO 2005051815A2

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