

Title (en)

AN AXIALLY DISPLACED EXPANDED INTERNALLY THREADED PANEL FASTENER FOR A HONEYCOMB PANEL STRUCTURE AND METHOD OF ASSEMBLY

Title (de)

AXIAL VERSCHOBENES, AUFGEWEITETES PLATTENBEFESTIGUNGSELEMENT MIT INNENGWINDE FÜR EINE WABENPLATTENKONSTRUKTION UND MONTAGEVERFAHREN

Title (fr)

ORGANE D'ASSEMBLAGE DE PANNEAU A FILETAGE INTERIEUR A EXPANSION ET A AXE DE DEPLACEMENT POUR STRUCTURE EN NID D'ABEILLE ET PROCEDE D'ASSEMBLAGE

Publication

**EP 1585874 A4 20060329 (EN)**

Application

**EP 04701779 A 20040113**

Priority

- US 2004000727 W 20040113
- US 43951203 P 20030113

Abstract (en)

[origin: WO2004063572A2] An expanding panel fastener assembly for affixing a honeycomb panel structure to a support structure is disclosing having an insert member that attaches to a hole drilled within the honeycomb panel. A flexible sleeve and retainer assembly includes a molded flexible sleeve, an expander member and a retainer member. A sleeve spacer can further be attached to the flexible sleeve to assist in retaining it within the insert member. By providing a fastener for engagement with the retainer member, the expander member can further prevent withdrawal of the retainer member and can further assist in expanding the flexible sleeve to provide a sealing configuration with any support structure.

IPC 1-7

**E04C 2/34**; **F16B 13/04**

IPC 8 full level

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IPC 8 main group level

**F16B** (2006.01)

CPC (source: EP)

**F16B 5/01** (2013.01); **F16B 13/061** (2013.01)

Citation (search report)

- [XY] FR 1187316 A 19590909
- [YD] US 6398633 B1 20020604 - LOTHE ARLAN D [US]
- [XA] US 3348444 A 19671024 - BRIGNOLA DOMINIC J
- [A] GB 700379 A 19531202 - RAWLPLUG CO LTD
- See references of WO 2004063572A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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