

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 INNENGEWINDE 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

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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)

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DOCDB simple family (publication)

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