Title (en)
Implement arm of composite sheet material, method for its manufacture and tool unit

Title (de)
Werkzeugarm aus Verbundmaterial, Verfahren zu seiner Herstellung sowie Werkzeugeinheit

Title (fr)
Bras porte-outil de matériau à couches multiples, procédé de fabrication et ensemble porte-outils

Publication
EP 1726409 A1 20061129 (DE)

Application
EP 06005355 A 20060316

Priority
DE 102005024039 A 20050525

Abstract (en)
Two spreading arms (1) are hydraulically moved in order to spread apart a damaged area of a vehicle where a person is trapped. Each of those arms (1) is made of a fibrous composite material. The fiber mats are arranged in a three-dimensional shape before the resin is added. The arm (1) has a main element with two lateral parts provided with an outer metal inlay (19) and a front area (13) to be inserted into a spreading element (2), also made of metal. A connecting piece (6) is made of aluminum, covered with fiber and resin. Metal sleeves (5,11) are part of the unit.

IPC 8 full level
B25F 5/00 (2006.01); A62B 3/00 (2006.01); A62B 99/00 (2009.01)

CPC (source: EP)
A62B 3/00 (2013.01); A62B 3/005 (2013.01); B25F 5/005 (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
AT CH DE LI

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1726409 A1 20061129; AU 2006201881 A1 20061214; CN 1868688 A 20061129; DE 102005024039 A1 20061207

DOCDB simple family (application)
EP 06005355 A 20060316; AU 2006201881 A 20060504; CN 200610081735 A 20060510; DE 102005024039 A 20050525