

Title (en)

Component gripper of modular construction for large sheet metal components

Title (de)

Bauteilgreifer in Baukastenausführung für grosse Blechteile

Title (fr)

Préhenseur de composants de construction modulaire pour des grandes pièces en tôle

Publication

EP 1258448 B1 20031217 (DE)

Application

EP 02006031 A 20020316

Priority

DE 10123661 A 20010515

Abstract (en)

[origin: EP1258448A1] The component part gripper in modular format is for large plate parts, particularly motor vehicle bodywork, and comprises tubular parts joined to one another by clamp blocks and node pieces. As frame, a grid mast triangular in cross-section comprising tubes is arranged, of which two longitudinal tubes (1,2) are at the top and support one or more connecting parts (4). One longitudinal tube (3) is located at the bottom. On all longitudinal tubes by means of clamp blocks (8,9,10) and node pieces (14,20) three tube pieces (11,12,13) are brought together to form a boom, which at the node point supports intermediate pieces (15,27) for accommodation of grippers (16,17), suction units, hangers, stops (22) and similar components.

IPC 1-7

B66C 1/10; **B66C 1/48**

IPC 8 full level

B66C 1/10 (2006.01); **B66C 1/48** (2006.01)

CPC (source: EP)

B66C 1/10 (2013.01); **B66C 1/48** (2013.01)

Cited by

GB2383574A; EP2050698A1; US8414042B2

Designated contracting state (EPC)

DE FR IT NL SE

DOCDB simple family (publication)

DE 10123661 A1 20021212; DE 50200151 D1 20040129; EP 1258448 A1 20021120; EP 1258448 B1 20031217

DOCDB simple family (application)

DE 10123661 A 20010515; DE 50200151 T 20020316; EP 02006031 A 20020316