

Title (en)
BENCH WITH MODULAR STRUCTURE

Title (de)
MODULAR AUFBAUBARE SITZBANK

Title (fr)
BANC A STRUCTURE MODULAIRE

Publication
EP 1032292 B1 20030129 (DE)

Application
EP 98941661 A 19980923

Priority
IB 9801487 W 19980923

Abstract (en)
[origin: WO0016661A1] The invention relates to a bench having a modular structure and comprising several seats, which rests on a longitudinal beam (1) supported on feet (2). An individual seat is formed by a seat panel (4) which can be complemented by a backrest (6) and lateral armrests (7), as well as table tops (5). Benches of this kind can be used, for example, in airports and ferry terminals as well as long-distance train stations. The seat panels (4), backrests (6) and table tops (5) are removably fixed to the longitudinal beam (1) by means of holding plates (3, 3'). The feet (2) and armrests (7) are removably fixed directly to the longitudinal beam (1). The longitudinal beam (1) extends along the full length of the bench, consists preferably of a double-walled aluminium hollow profile and has a regular, triangular cross-section with three longitudinal side faces (10, 11, 12) as well as lateral grooves (13, 14, 15) situated in the area of the edges. The holding plates (3, 3') are pieces of a U-shaped sections cut to the required length. A holding plate (3) connected to a seat panel (4) or a table top (5) rests on the upper, first side face (10) of the longitudinal beam (1), while a holding plate (3') connected to a backrest (6) contacts the rear, i.e. third, side face (10) of the longitudinal beam (1). The principal advantages of the bench provided for in the invention are its variable configuration, the fact that it can be assembled at the place of use and that functional units can be easily replaced. Considerably less transport space is required for the delivery of unassembled functional units.

IPC 1-7
A47C 13/00; A47C 11/00; A47C 4/02

IPC 8 full level
A47C 4/02 (2006.01); **A47C 11/00** (2006.01); **A47C 13/00** (2006.01)

CPC (source: EP US)
A47C 4/02 (2013.01 - EP US); **A47C 4/03** (2013.01 - EP US); **A47C 11/005** (2013.01 - EP US); **A47C 13/005** (2013.01 - EP US)

Cited by
GB2581510A; GB2581510B

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL

DOCDB simple family (publication)
WO 0016661 A1 20000330; AT E231694 T1 20030215; DE 59807093 D1 20030306; DK 1032292 T3 20030526; EP 1032292 A1 20000906; EP 1032292 B1 20030129; ES 2191326 T3 20030901; US 6746086 B1 20040608

DOCDB simple family (application)
IB 9801487 W 19980923; AT 98941661 T 19980923; DE 59807093 T 19980923; DK 98941661 T 19980923; EP 98941661 A 19980923; ES 98941661 T 19980923; US 55500400 A 20000522