

Title (en)  
MODULAR TOWER

Title (de)  
TURM IM BAUKASTENFORMAT

Title (fr)  
TOUR MODULAIRE

Publication  
**EP 1343399 A2 20030917 (EN)**

Application  
**EP 01990821 A 20011207**

Priority  
• US 0146328 W 20011207  
• US 25427300 P 20001208

Abstract (en)  
[origin: WO0245548A2] A modular tower assembly for use with blown film extrusion processes, where modular tower sections each having identical columns/foot prints can be stacked on top of one another. Each module can have rectangular type platforms with walk decks about a central rectangular void middle. Staircases can be built into the side of all decks modules up to the top deck. Each of the four vertical legs of the deck modules has flat plate bottoms to stack on the deck surface of the module beneath, and side cross bracing. Side extension platform deck wings with legs can be used when the central rectangular void is enlarged. The modules can be pre-formed and brought onsite to be erected in a rapid assembly manner by fasteners such as bolts, and be removable as compared to permanent type welded towers. The modular towers can include adjustable bracing components for further stiffening the modular towers to have reduced swaying, twisting and vibrations over time.  
[origin: WO0245548A2] A modular tower assembly (1) for use with blown film extrusion processes, where modular tower sections (200) each having identical columns/foot prints can be stacked on top of one another. Each module can have rectangular type platforms (192) with walk decks (198) about a central rectangular void middle (199). Staircases can be built into the side of all decks modules up to the top deck. Each of the four vertical legs (420) of the deck modules has flat plate bottoms to stack on the deck (198) surface of the module beneath, and side cross bracing (425). Side extension platform deck wings (490) with legs (410) can be used when the central rectangular void is enlarged. The modules can be pre-formed and brought onsite to be erected in a rapid assembly manner by fasteners such as bolts, and be removable as compared to permanent type welded towers.

IPC 1-7  
**A47B 1/00**

IPC 8 full level  
**B29C 48/10** (2019.01); **E04H 5/02** (2006.01); **E04H 12/10** (2006.01); **B29C 48/355** (2019.01)

CPC (source: EP)  
**B29C 48/10** (2019.01); **E04H 5/02** (2013.01); **E04H 12/10** (2013.01); **B29C 48/355** (2019.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0245548 A2 20020613**; **WO 0245548 A3 20030522**; AU 3058702 A 20020618; CA 2431010 A1 20020613; EP 1343399 A2 20030917; EP 1343399 A4 20050622

DOCDB simple family (application)  
**US 0146328 W 20011207**; AU 3058702 A 20011207; CA 2431010 A 20011207; EP 01990821 A 20011207