

Title (en)
MULTILEVEL FOLDING STAGE

Title (de)
FALTBARE BÜHNE MIT MEHREREN EBENEN

Title (fr)
ESTRADE REPLIABLE A PLUSIEURS NIVEAUX

Publication
EP 0598049 B1 19990203 (EN)

Application
EP 92918043 A 19920807

Priority
• US 9206639 W 19920807
• US 74315491 A 19910809
• US 92336892 A 19920731

Abstract (en)
[origin: WO9303240A2] An elevationally adjustable folding stage (100) has a frame (102) which folds along a center of the stage (100) from a storage position to a use position. Stage panels (104, 106) of interchangeable widths form a stage surface and are reversible and interchangeable. The stage (100) may also support additional panels between stages (100) extending therefrom to form an extended stage surface. The stage (100) has a roller assembly (118) which lifts the stage (100) up so that rollers (120) engage the floor for rolling between storage and use locations. Connectors (135) between the frame (102) and the stage (104, 106) offer quick connection without additional pieces. Connectors (135) also provide for inserting risers to raise the height of one panel (104, 106) of the stage (100) relative to the other. In addition to the risers, multipanel supporting bases may be used to support the panels extending from the edges of the stage between stages. The panels between the stages may be stored on the stage (100) while in the use or folded position by hook members (172, 174) which rotate from a storage to a use position to retain the additional panels. Folding of the stage (100) is assisted by a spring folding assist member which prevents closing of the stage (100) and assists in the initial opening of the stage (100) toward the folded position. Accidental folding of the stage (100) is also prevented by a locking linkage (155) and a spacing linkage (192) which lock the stage (100) in the use position to prevent accidental folding and also to maintain the stage (100) in the use position when elevationally adjusting the stage panels (104, 106).

IPC 1-7
E04H 3/28

IPC 8 full level
E04H 3/12 (2006.01); **E04H 3/28** (2006.01)

CPC (source: EP)
E04H 3/126 (2013.01); **E04H 3/28** (2013.01)

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
WO 9303240 A2 19930218; **WO 9303240 A3 19930429**; AU 2463292 A 19930302; AU 659376 B2 19950511; CA 2114793 A1 19930218; DE 69228381 D1 19990318; DE 69228381 T2 19990617; EP 0598049 A1 19940525; EP 0598049 B1 19990203; ES 2126599 T3 19990401; JP 2002250142 A 20020906; JP 3352089 B2 20021203; JP H07501370 A 19950209

DOCDB simple family (application)
US 9206639 W 19920807; AU 2463292 A 19920807; CA 2114793 A 19920807; DE 69228381 T 19920807; EP 92918043 A 19920807; ES 92918043 T 19920807; JP 2002020855 A 20020130; JP 50387593 A 19920807