

Title (en)
Suspended ceiling with downwardly pivotable panels

Title (de)
Abgehängte Decke mit nach unten aufklappbaren Paneelen

Title (fr)
Faux plafond de panneaux pivotables par dessous

Publication
EP 1898016 A3 20100120 (EN)

Application
EP 07016866 A 20070828

Priority
US 84065306 P 20060828

Abstract (en)
[origin: EP1898016A2] The hinge-down ceiling panel assembly 14 has an improved panel 32 which has a horizontal lower surface 36 and a plurality of sidewalls 40 to 43 extending substantially vertically. The panel 32 includes hardware for pivotally mounting and locking and releasing the panel 32 in the ceiling which are in engagement with the vertical sidewalls 40 to 43 of the panel 32. The panel hardware includes pivot members 44 and spring biased slide members 50 for moving the hardware out of the way of the support members 12 when the panel 32 is either installed or uninstalled. The pivot members 44 and the slide members 50 are made of flat stamped sheet metal and are mounted by being inserted and positioned in slots 62, 64, 66, 72, 72' of the sidewalls 40 to 43 and in notched out bend tabs 70, 70', respectively.

IPC 8 full level
E04B 9/00 (2006.01); **E04B 9/24** (2006.01)

CPC (source: EP)
E04B 9/003 (2013.01); **E04B 9/247** (2013.01)

Citation (search report)
• [A] FR 2639387 A1 19900525 - CLESTRA SA [FR]
• [A] DE 6918613 U 19690904 - ERNST SORST & CO FA [DE]
• [A] DE 20104637 U1 20010802 - CHICAGO METALLIC CONTINENT NV [BE]
• [A] EP 0589115 A1 19940330 - CLESTRA HAUSERMAN SA [FR]
• [A] DE 29708775 U1 19970717 - LINDNER AG [DE]

Cited by
CN109296223A; CN111969802A; GB2454239B; GB2454239A; US8572920B2; WO2021007620A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1898016 A2 20080312; EP 1898016 A3 20100120; EP 1898016 B1 20111012; AT E528457 T1 20111015

DOCDB simple family (application)
EP 07016866 A 20070828; AT 07016866 T 20070828