

Title (en)
Safety chair columns.

Title (de)
Sicherheitskolonne für Stühle.

Title (fr)
Colonne télescopique de sécurité pour chaises.

Publication
EP 0443226 A1 19910828 (EN)

Application
EP 90301736 A 19900217

Priority
EP 90301736 A 19900217

Abstract (en)
A chair column has a spindle (2) for securing at its upper end (3) to a chair seat, the lower portion (6) of the spindle threadedly carrying a first clutch dog in the form of a nut (7). A second clutch dog is provided by an indent (8) in a tubular casing (9), the lower end (22) of which is secured in use to a chair base. In order to adjust the height of the chair seat relative to the base, the unoccupied seat is turned, and the interengaged clutch dogs will effect an adjustment. When a person sits on the seat the spindle moves down to compress a spring (10), and the clutch dogs are automatically disengaged. In order to prevent inadvertent adjustment of the nut (7) by swivelling of the occupied chair seat, the nut (7) is arranged to be locked to the spindle (2) by a locking member (12) which is conically shaped in its upper half to have a wedging engagement with the spindle (2) and nut (7). The lower half of locking member (12) is also of conical shape but with a larger cone angle to provide a self-centring bearing with a spring abutment member (11). <IMAGE>

IPC 1-7
A47C 3/18; **A47C 3/24**

IPC 8 full level
A47C 3/18 (2006.01); **A47C 3/24** (2006.01)

CPC (source: EP)
A47C 3/18 (2013.01); **A47C 3/245** (2013.01)

Citation (search report)
• [X] US 2137178 A 19381115 - JUHO MERIVAARA
• [X] GB 647183 A 19501206 - HARALD CARL EMIL VAN DEURS
• [X] DE 600417 C 19340723 - FR DRABERT SOEHNE
• [A] US 3059888 A 19621023 - FINN LIE

Cited by
EP1108382A1

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

DOCDB simple family (publication)
EP 0443226 A1 19910828

DOCDB simple family (application)
EP 90301736 A 19900217