

Title (en)  
Supporting column.

Title (de)  
Standssäule.

Title (fr)  
Support à colonne.

Publication  
**EP 0151899 A1 19850821 (DE)**

Application  
**EP 84710007 A 19840208**

Priority  
• EP 84710007 A 19840208  
• DE 8460015 U 19840208

Abstract (en)  
1. Vertically adjustable upright for seat furniture, having a spindle tube (7) which supports the seat support (30) and which is displaceable telescope-like in a guide tube (6), with catch segments (1, 1') being provided at the lower end of the spindle tube (7), the catch segments (1, 1') enclosing a tapered catch element (5, 5'), the catch segments (1, 1'), on their inner surface, and/or the tapered catch element (5, 5'), on its outer surface, being of tapered design, the tapered catch element (5, 5') sliding with its outer surface on the inner surface of the catch segments (1, 1'), the catch segments (1, 1') having an encircling arresting element (12, 12') on the outside, the guide tube (6), at its inner surface, having several grooves (32) which follow one another in the axial direction and are designed for locating the arresting element (12, 12'), and the tapered catch element (5, 5'), via a mechanism (8, 13; 37) arranged inside the spindle tube (7), being independently movable up and down inside the catch segments (1, 1') against the force of a catch spring (17, 17') by actuating an actuating lever (24) which can be operated from outside the upright, characterized in that the catch segments (1, 1') are arranged concentrically inside the spindle tube (7), and at their upper end are positively suspended in articulated manner by means of retaining members (21) in locating openings (33, 33') of the same (7), with the expansion of the catch segments (1, 1'), during the movement of the tapered catch element (5, 5') in the lower part of the catch segments (1, 1'), taking place about the suspension at the retaining members (21) as pivots.

Abstract (de)  
Eine höhenverstellbare Standsäule für Sitzmöbel weist ein in einem Führungsrohr (6) teleskopartig verschiebbares Spindelrohr (7) auf, an dessen unterem Ende Rastsegmente (1) eingehängt sind, welche durch einen darin auf und ab bewegbaren Rastkonus (5) aufspreizbar sind. Die Rastsegmente (1) werden aussen von einer Ringfeder (12) umfasst, die der Spreizkraft des Rastkonus (5) entgegenwirkt. Im Innern des Führungsrohres (6) sind aufeinanderfolgend ringförmige Nuten (32) vorgesehen, in welche die Ringfeder (12) einrastet. Mit dieser Konstruktion kann in einfacher und dennoch robuster Weise eine feinstufige Höhenverstellung vorgenommen werden. Die Konstruktion ist im Sinne eines Baukastensystems zu komfortableren Varianten mit Gewichtsausgleichfeder aufbaubar.

IPC 1-7  
**A47C 3/28**

IPC 8 full level  
**A47C 3/28** (2006.01)

CPC (source: EP)  
**A47C 3/285** (2013.01)

Citation (search report)  
• [X] AU 490518 B1 19770804  
• [X] GB 935958 A 19630904  
• [A] DE 1189687 B 19650325 - MAUSER KG

Cited by  
DE102004026677A1; CN116641939A; EP1600082A1

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

DOCDB simple family (publication)  
**EP 0151899 A1 19850821; EP 0151899 B1 19870909; AT E29371 T1 19870915; DE 3465873 D1 19871015; DE 8460015 U1 19851128**

DOCDB simple family (application)  
**EP 84710007 A 19840208; AT 84710007 T 19840208; DE 3465873 T 19840208; DE 8460015 U 19840208**