

Title (en)  
TELESCOPIC DEVICE

Publication  
**EP 0258656 B1 19900711 (DE)**

Application  
**EP 87111192 A 19870803**

Priority  
DE 3627138 A 19860809

Abstract (en)  
[origin: US4848524A] In a telescopic apparatus, an inner telescopic part is axially displaceable in wobble-free manner in an outer telescopic part. For the guidance of the inner telescopic part a carrier sleeve is inserted into the outer telescopic part. The carrier sleeve accommodates at least one guide ring body in universal joint manner. This guide ring body possesses a guide surface section which rests on the outer telescopic part.

IPC 1-7  
**A47C 3/30**

IPC 8 full level  
**A47C 3/30** (2006.01); **F15B 15/16** (2006.01)

CPC (source: EP US)  
**A47C 3/30** (2013.01 - EP US)

Cited by  
EP3001932A1; CN103122890A; EP0325726A1; DE8800976U1; DE4200786A1; US5333968A; WO2016050286A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
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**EP 87111192 A 19870803**; AU 7607787 A 19870724; DE 3627138 A 19860809; DE 3763634 T 19870803; ES 87111192 T 19870803; JP 19653987 A 19870807; US 8123687 A 19870804