

Title (en)  
Telescopic umbrella

Title (de)  
Teleskopregenschirm

Title (fr)  
Parapluie télescopique

Publication  
**EP 1260150 A2 20021127 (EN)**

Application  
**EP 02010574 A 20020510**

Priority  
JP 2001143779 A 20010514

Abstract (en)  
A compact telescopic umbrella is provided, wherein an upper unit is provided at an end of a middle rod and a lower unit is slidably provided on the middle rod. An end of a main rib consisting of four pieces of mutually pivotally supported ribs is axially supported, and the main rib and the lower unit are connected by means of a receiving rib. Each rib of the main rib is folded in a straight line by interlocking with the vertical motion of the lower unit. Among the ribs of the main rib, a side curved portion and an inclined portion are formed on the third rib, and when the main rib is folded, a portion of the third rib opposite side of a pivotal portion with the second rib is not superposed on a portion of the second rib with the pivotal portion so that the portions are adjacent to each other. A four-side link mechanism is formed by the receiving rib and the second rib of the main. The first rib and the third rib are connected by means of the connecting rod, and the second rib and the fourth rib are connected by means of the connecting rod, whereby four-side link mechanisms and are respectively formed between the connecting rod and the main rib and the connecting rod and the main rib. <IMAGE>

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**A45B 25/02**; **A45B 19/04**

IPC 8 full level  
**A45B 19/04** (2006.01); **A45B 19/10** (2006.01); **A45B 19/12** (2006.01)

CPC (source: EP)  
**A45B 19/04** (2013.01); **A45B 19/10** (2013.01); **A45B 2019/008** (2013.01)

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