

Title (en)

Compound hinge

Title (de)

Kompositscharnier

Title (fr)

Charnière composite

Publication

EP 1022419 B1 20071114 (EN)

Application

EP 00101461 A 20000125

Priority

- US 23680599 A 19990125
- US 18859600 P 20000114

Abstract (en)

[origin: EP1022419A2] A compound hinge system includes a first link (50) and a second link (70). The first link (50) includes knuckles (54) and arcing engaging surfaces (60) next to stop portions (56) that are configured for receiving engaging lug portions (76) on the second link member (70). The second link member includes first (72) and second (74) sets of knuckles. One of the sets of knuckles (72) cooperates with a hinged pin (28) to pivot relative to the first link (50) while the second set of knuckles (74) receives a hinge pin (28) to pivot relative to the second element (26). The lugs (76) slide relative to the engaging surface (60) and push against the stop portions (56) to flex them outward and require additional force to move between various stops in the range of motion. <IMAGE>

IPC 8 full level

E05D 3/06 (2006.01); **E05D 11/10** (2006.01)

CPC (source: EP)

E05D 3/12 (2013.01); **E05D 3/127** (2013.01); **E05D 11/105** (2013.01); **E05D 11/1078** (2013.01); **E05Y 2900/20** (2013.01); **E05Y 2900/531** (2013.01)

Cited by

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Designated contracting state (EPC)

DE FR GB

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EP 1022419 A2 20000726; **EP 1022419 A3 20040519**; **EP 1022419 B1 20071114**; DE 60037051 D1 20071227; JP 2000352256 A 20001219

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