

Title (en)

Construction toy set having low insertion force connecting bodies

Title (de)

Bauspielzeug, das Verbindungselemente mit geringer Einsteckkraft enthält

Title (fr)

Jeu de construction ayant des éléments de liaison à faible force d'insertion

Publication

EP 1348474 A3 20040519 (EN)

Application

EP 02021136 A 20020923

Priority

- US 10802402 A 20020326
- US 10814902 A 20020326
- US 0209334 W 20020326

Abstract (en)

[origin: EP1348474A2] A plurality of connecting bodies are formed in various shapes of a resilient material such as molded plastic or other resilient material. The connecting bodies each define a plurality of inwardly extending slots which form receiving mechanisms for the edge portions of a plurality of cooperating generally planar plate members. The plate members are assembled to form more complex structures utilizing the connecting bodies to form interconnection therebetween. In alternate embodiments, a complex structure for the inwardly extending slots includes flexible ribs on each side of the slots together with relief slots adjacent the ribs. In further alternate embodiments, the connecting bodies and plate members may be assembled to form complex fanciful figures utilizing specialized elements such as a fanciful head member which bears a fanciful face and leg elements. <IMAGE>

IPC 1-7

A63H 33/10

IPC 8 full level

A63H 33/10 (2006.01)

CPC (source: EP)

A63H 33/08 (2013.01); **A63H 33/101** (2013.01); **A63H 33/102** (2013.01)

Citation (search report)

- [XAY] US 3827177 A 19740806 - WENGEL G
- [X] WO 9936148 A1 19990722 - PALIMONDIAL SA [LU], et al
- [X] US 3891335 A 19750624 - FEIL FRED W
- [X] GB 1478589 A 19770706 - STAEGER HANS
- [XA] US 4080742 A 19780328 - OSTERRIED JAMES L
- [Y] US 171533 A 18751228
- [Y] EP 0856341 A2 19980805 - CONNECTOR SET LP [US]
- [A] GB 2031289 A 19800423 - FREDERIKSEN P, et al
- [X] GB 2077879 A 19811223 - WILLIAMS JOHN DOUGLAS
- [X] GB 1094418 A 19671213 - FISCHER ARTUR
- [A] FR 688609 A 19300827
- [A] US 2506328 A 19500502 - ALGER DON L

Cited by

CN111372666A; CN114450075A; WO2007101290A1; WO2015189844A1

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