

Title (en)  
Modular step unit for prefabricated self-supporting ladders

Title (de)  
Modulare Trittstufe für vorgefertigte selbsttragende Leitern

Title (fr)  
Marchepied modulaire pour échelles préfabriquées autoportantes

Publication  
**EP 0942144 B1 20040804 (EN)**

Application  
**EP 99104783 A 19990310**

Priority  
IT VI980052 A 19980312

Abstract (en)  
[origin: EP0942144A2] A modular step unit for self-supporting metal ladders comprises a pair of side supporting or bearing constructions (3, 3', 3'') supporting a flat ladder step (4, 4'). Connecting means (9) connect each modular unit to an adjoining modular unit for defining a self-supporting ladder ramp (1). Each supporting construction (3, 3', 3'') comprises at least a substantially vertical inner element (5) arranged between and rigidly coupled to at least a pair of substantially horizontal outer elements (6). The inner element (5) can be coupled to at least a pair of outer elements (6) including in an adjoining modular unit (3) by a coupling device (15) the height of which can be adjusted to provide a variable height or rise ladder ramp. <IMAGE>

IPC 1-7  
**E06C 1/52**; **E06C 1/38**; **E04F 11/02**; **E06C 1/10**

IPC 8 full level  
**E04F 11/035** (2006.01); **E04F 11/09** (2006.01); **E06C 1/10** (2006.01); **E06C 7/08** (2006.01)

CPC (source: EP)  
**E04F 11/035** (2013.01); **E04F 11/1041** (2013.01); **E06C 1/10** (2013.01); **E06C 7/08** (2013.01)

Cited by  
CN100462514C; EP1243715A3; ITVR20090085A1; EP2025828A1; CN104775750A; CN110005150A; CN111549988A; US8499506B2; AU2008306221B2; KR20150117292A; CN105189887A; EP2954128A4; RU178962U1; EP2261439A2; WO2014037968A1; WO2009153762A3; WO2014121344A3; US9499991B2

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