

Title (en)  
Universal ladder

Title (de)  
Universalleiter

Title (fr)  
Échelle universelle

Publication  
**EP 2278110 A3 20150408 (EN)**

Application  
**EP 10162449 A 20100510**

Priority  
IT MI20090209 U 20090619

Abstract (en)  
[origin: EP2278110A2] A universal ladder (1), comprising two ramps (2,3) connected at the top by two articulated joints (4,5) each of which in turn comprises a male shell (4a) and a female shell (4b) reciprocally hinged and made of cast aluminum alloy, inside each shell an insert made of highly-resistant material being provided.

IPC 8 full level  
**E06C 1/18** (2006.01); **E06C 1/22** (2006.01); **E06C 1/32** (2006.01)

CPC (source: EP)  
**E06C 1/18** (2013.01); **E06C 1/22** (2013.01); **E06C 1/32** (2013.01)

Citation (search report)

- [X] US 5954157 A 19990921 - GRIMES RONALD R [US], et al
- [A] DE 7837056 U1 19790405

Cited by  
CN104120967A; CN105221056A; CN106121500A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2278110 A2 20110126; EP 2278110 A3 20150408**; IT MI20090209 U1 20101220

DOCDB simple family (application)  
**EP 10162449 A 20100510**; IT MI20090209 U 20090619