

Title (en)  
Prefabricated straight stairway.

Title (de)  
Vorgefertigte geradläufige Treppe.

Title (fr)  
Escalier droit préfabriqué.

Publication  
**EP 0033045 A1 19810805 (FR)**

Application  
**EP 80401852 A 19801223**

Priority  
FR 8001404 A 19800123

Abstract (en)  
1. A straight staircase comprising, on the one hand, two inclined stringers (L) which each have a series of holes for the passage of the fixing bolts (1a, 1b), a plurality of steps (MA1, MA2, MA3...) whose ends, which are either folded up or each provided with a gusset, have a front hole (GM1) and a rear hole (GM2) through which the bolts (1a, 1b) are intended to pass, which bolts serve to fix the steps to the stringers and to adjust the horizontal position of the said steps, and, on the other hand, a hand rail or banister (MC) supported by a plurality of vertical supports (MT) (for example one per step) which have an upper hole (GF1, GF3) and a lower hole (GF2, GF4), characterised in that the bottom end of the vertical supports (MT) is provided with a gusset (GF), in that the gussets of the steps and of the vertical supports each have a round hole (GM1, GF1, GF4) and an oblong hole (GM2, GF2, GF3), in that each stringer has only a maximum of three round holes for assembling one step and one support, and in that at least one (1b) of the bolts passing through these holes fixes both the step and the support.

Abstract (fr)  
Dans un escalier droit dont les limons L sont percés selon un gabarit unique quelle que soit l'inclinaison de l'escalier et reçoivent la fixation des marches MA et du support MT de main-courante. Cette fixation réglable étant réalisée par trois boulons dont un est commun à la fixation des marches et des supports.

IPC 1-7  
**E04F 11/02; E04F 11/12**

IPC 8 full level  
**E04F 11/025** (2006.01)

CPC (source: EP)  
**E04F 11/0255** (2013.01)

Citation (search report)  
FR 2309685 A1 19761126 - BRIGAUD BERNARD [FR]

Cited by  
JP2014218884A; US9309675B2; US11085191B2; FR2722525A1; US5890330A; US7311335B2; US7794211B2; US11885134B2; WO9602716A1

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