

Title (en)  
Steps.

Title (de)  
Steigeisen.

Title (fr)  
Echelons.

Publication  
**EP 0174197 A2 19860312 (EN)**

Application  
**EP 85306311 A 19850905**

Priority  
ZA 846949 A 19840905

Abstract (en)  
There is described the combination of a step for use with a tubular man-hole liner having at least one pair of horizontally located cylindrical holes therein. The step is substantially U-shaped in plan. It has a tread part and a pair of arms extending from the tread part to walls located respectively at the ends of the arms. A pair of cylindrical projections respectively project from the walls to engage in the holes. The outer ends of the projections are hollow and frustoconical plugs are received within the hollow ends and distort them into engagement with the walls.

IPC 1-7  
**E06C 9/04**

IPC 8 full level  
**E06C 9/04** (2006.01)

CPC (source: EP)  
**E06C 9/04** (2013.01)

Cited by  
US2018282978A1; US10273664B2; EP1914016A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0174197 A2 19860312; EP 0174197 A3 19870107**

DOCDB simple family (application)  
**EP 85306311 A 19850905**