

Title (en)

ANCHOR ELEMENT FOR THE FASTENING OF STEP IRONS IN WALL SURFACES

Publication

EP 0173227 A3 19861022 (DE)

Application

EP 85110429 A 19850820

Priority

DE 3430848 A 19840822

Abstract (en)

[origin: EP0173227A2] 1. Step iron anchor element which can be fastened in wall surfaces (34) and has an internal reinforcement (5) of metal, with at least one insert end (5a) and an anchor sleeve (7) of plastic which sits firmly on the insert end, said anchor sleeve having a frontal terminating cone (8), a central anchoring portion (10) which is a continuation of the terminating cone and is provided with transverse ribs (9), an elastic sealing collar (11) being arranged to be freely displaceable on the end of said anchor sleeve that is opposite the terminating cone (8), characterised in that a) the end of the anchor sleeve (7) is provided with a series of adjacent, continuously encircling annular ribs (13, 18) and annular grooves which form retention members, and b) the sealing collar (11) is a flexible elastomer collar which fits snugly on the annular ribs (13, 18) and on its inside face likewise has a series of annular ribs (15) which cooperate elastically with the annular ribs (13, 18) of the anchor sleeve (7) to form a sealing system of teeth.

IPC 1-7

E06C 9/04

IPC 8 full level

E06C 9/04 (2006.01)

CPC (source: EP)

E06C 9/04 (2013.01)

Citation (search report)

- [AD] DE 2254550 A1 19730530 - ZENHAEUSERN HEINRICH
- [A] CH 505276 A 19710331 - ZENHAEUSERN HEINRICH [CH]
- [AD] CH 289007 A 19530228 - ZENHAEUSERN HEINRICH [CH]
- [A] BETONWERK + FERTIGTEIL-TECHNIK, Band 48, Nr. 4, April 1982, Seiten A68-A69 (4 Seiten), Wiesbaden, DE; "MSU-Steigbügel. Sicherheits-Besteigungselemente für den Hoch- und Tiefbau"

Cited by

US6874801B2; US5772358A; US5752579A; US6029772A; DE19914886B4; US5967256A; US6068083A; US6125967A; US8985606B2; US6302618B1; US8448967B2; USD864069S; US7731212B2; USD864068S

Designated contracting state (EPC)

AT CH DE FR LI

DOCDB simple family (publication)

EP 0173227 A2 19860305; EP 0173227 A3 19861022; EP 0173227 B1 19890118; AT E40177 T1 19890215; DE 3430848 A1 19860306; DE 3567693 D1 19890223

DOCDB simple family (application)

EP 85110429 A 19850820; AT 85110429 T 19850820; DE 3430848 A 19840822; DE 3567693 T 19850820