

Title (en)

Improved gripping device for coupling a heavy cementitious body to a hooking member

Title (de)

Verbesserte Greifvorrichtung zur Kupplung von einem schweren zementären Körper an einer Hakenvorrichtung

Title (fr)

Dispositif de préhension amélioré pour coupler une pièce lourde cimentaire à un élément de crochet

Publication

EP 1479641 A3 20051221 (EN)

Application

EP 04076430 A 20040513

Priority

IT RE20030053 A 20030522

Abstract (en)

[origin: EP1479641A2] The gripping device serves to couple, by means of a hooking member (40) of a lifting means, a grippable end element (31) of an outwardly projecting anchor member (30) rigid with a heavy cementitious body (50). The device comprises: a hookable part (20) having a through hole (23) for receiving said hooking member (40) and a gripping part (10) having a hollow guide (11) for receiving said grippable end element (31). The device also comprises a safety element shaped such that its far and near end portions are able to at least partially obstruct the through hole (23) to prevent insertion of the hooking member (40) when the grippable end element (31) is close to the initial end of the hollow guide (11) and only partially associated with the gripping part (10), but to allow insertion of the hooking member (40) when the grippable end element (31) is completely associated with the gripping part (10) in the interior of the hollow guide (11). Said safety element (7) is shaped such that its far end portion (71) and near end portion (72) are able alternately to effect said obstruction of the through hole (23), and to lock the grippable end element (31) when the grippable end element (31) is completely associated with the gripping part (10) in the interior of said hollow guide (11). <IMAGE>

IPC 1-7

B66C 1/66

IPC 8 full level

B66C 1/66 (2006.01)

CPC (source: EP)

B66C 1/666 (2013.01)

Citation (search report)

- [Y] DE 1808988 A1 19700611 - KESTING LORENZ
- [Y] GB 2139278 A 19841107 - CHARCON TUNNELS LTD
- [Y] CH 471300 A 19690415 - HAEUSSLER ERNST [DE]
- [Y] EP 0832840 A2 19980401 - ZAMBELLI SERGIO [IT], et al
- [A] EP 0994064 A1 20000419 - NOVITEC INTERNATIONAL B V [NL]
- [A] DE 2708788 B1 19780524 - HAEUSSLER ERNST DR-ING
- [A] DE 2641273 A1 19780316 - HAEUSSLER ERNST
- [A] FR 2119875 A1 19720811 - ADRISS CIE
- [A] FR 2504900 A1 19821105 - MOREAU PIERRE [FR]

Cited by

AU2016282080B2; JP2016160050A; US10240356B2; WO2016205873A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1479641 A2 20041124; EP 1479641 A3 20051221; IT RE20030053 A1 20041123; NO 20041982 L 20041123

DOCDB simple family (application)

EP 04076430 A 20040513; IT RE20030053 A 20030522; NO 20041982 A 20040513