

Title (en)
CLIMBING CYLINDER ON A SELF-CLIMBING SHUTTERING

Title (de)
KLETTERZYLINDER EINER SELBSTKLETTERSCHALUNG

Title (fr)
VERIN GRIMPANT D'UN COFFRAGE AUTOGRIMPANT

Publication
EP 1899549 A1 20080319 (DE)

Application
EP 06753281 A 20060620

Priority
• DE 2006001043 W 20060620
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Abstract (en)
[origin: CA2613143A1] The invention relates to a climbing cylinder (10) for a self-climbing shuttering in civil engineering which is provided to permit passage along climbing tracks (22) on a wall (12). The climbing cylinder (10) has a fixing at one end for an anchor point on the wall and, at the other end, a ratchet (30) is provided on the climbing cylinder, which can be made to engage with the climbing rail such as to support the climbing rails (22) and also displace the same. The climbing cylinder (10) can be fixed to an anchor point on the construction or to a climbing bracket (18).

IPC 8 full level
E04G 11/28 (2006.01); **E04G 11/24** (2006.01)

CPC (source: EP KR US)
E04G 3/20 (2013.01 - US); **E04G 11/24** (2013.01 - EP KR US); **E04G 11/28** (2013.01 - EP US); **E04G 2003/286** (2013.01 - KR US)

Citation (search report)
See references of WO 2007000134A1

Citation (third parties)
Third party :
• WO 2004020766 A1 20040311 - FORMULA ONE SELF DRIVING SCREE [AU], et al
• WO 2005054604 A1 20050616 - ULMA C Y E S COOP [ES], et al
• US 4147483 A 19790403 - ROVERA MARIO, et al
• GB 2021672 A 19791205 - ZINGWE PLANT HIRE CO LTD
• AU 7380687 A 19871210 - NU FORM ENGINEERING AUST PTY L

Cited by
WO2021019114A1; EP2518239A1; EP2365159A1; US9175487B2; DE102021214963A1; WO2023118419A1; WO2019002654A1; US11655640B2

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