

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B66B 13/16	A1	(11) International Publication Number: WO 96/20126
		(43) International Publication Date: 4 July 1996 (04.07.96)
(21) International Application Number: PCT/SE95/01544		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG).
(22) International Filing Date: 19 December 1995 (19.12.95)		Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. In English translation (filed in Swedish).</i>
(30) Priority Data: 9404546-5 28 December 1994 (28.12.94) / SE		
(71) Applicant (for all designated States except US): ALIMAK AB [SE/SE]; P.O. Box 30614, S-931 03 Skellefteå (SE).		
(72) Inventor; and (75) Inventor/Applicant (for US only): LUNDH, Thomas [SE/SE]; Skrämråskvägen 37, S-931 43 Skellefteå (SE).		
(74) Agents: LARFELDT, Helene et al.; Bergenstråhle & Lindvall AB, P.O. Box 17704, S-118 93 Stockholm (SE).		

RTMP copy

(54) Title: ACTUATING MEANS FOR A LIFT DOOR CATCH

(57) Abstract

An actuating mechanism for a catch (3) of a hoist door (4) comprises a vertically displaceable operating member (16), which is associated with a vertically displaceable actuating member (46), by means of which the catch (3) may be released. A coupling mechanism is provided between the actuating member (46) and the operating member (16) and has a cam follower (36), which in engagement with a cam (56) locks the coupling mechanism in such a manner that a displacement of the operating member will be transferred to the actuating member (46) for the release of the door catch (3). When the cam (56) is absent no movement will be transferred to the actuating member (46). The cam (56) and the cam follower (36) are provided on a hoist cage at a landing, respectively, or vice versa, so that the door catch (3) may be released, only when the hoist cage is at a landing. The coupling mechanism is a toggle joint mechanism, having two pivotably connected link arms (28, 38), the cam follower (36) being associated with the common pivot (34) of the link arms (28, 38). The opposite ends of the link arms (28, 38) are connected to the operating member (16) and the actuating member (46), respectively.

