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EUROPEAN PATENT APPLICATION

⑬ Application number: 84300923.4

⑮ Int. Cl.³: E 06 B 9/08
E 06 B 9/20

⑭ Date of filing: 14.02.84

⑩ Priority: 19.02.83 GB 8304657

⑦ Applicant: Norman Hart (Newcastle) Limited
Redburn Road Westerhope Industrial Estate
Newcastle-upon-Tyne 5(GB)

⑬ Date of publication of application:
29.08.84 Bulletin 84/35

⑦ Inventor: Hart, Douglas Alexander
151 Darras Road Ponteland
Newcastle upon Tyne NE20 9PQ(GB)

⑬ Date of deferred publication of search report: 21.11.84

⑦ Representative: Carpenter, David et al,
Marks & Clerk Alpha Tower Suffolk Street Queensway
Birmingham B1 1TT(GB)

⑬ Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

④ Roller door.

⑤ A roller door including an elongate, flexible closure member (12), a hollow roller (13) to which one end of said closure member is secured, and means for rotating said roller whereby said closure member can be wound onto said roller to open said door and unwound from said roller to close said door, said roller in use being positioned adjacent the upper edge of the doorway, a spindle (16) extending in said roller (13), torsion springs (21) coupling the roller and the spindle for rotation together while affording limited relative rotation of the spindle and roller accompanied by corresponding stressing of the torsion spring (21), drive chains (34) extending parallel to the direction of movement of the closure member and being in driving engagement with said spindle and idler wheels (35) positioned in use adjacent the lower edge of the doorway and the free end of the closure member being secured to said drive chains (34) at points along the length of the drive chains (34) such that said torsion springs (21) are stressed in a direction to rotate said roller (13) relative to said spindle (16) to wind said closure member (12) onto said roller and thus apply tension to the closure member between the roller and its point of anchorage on the drive chains (34), and a motor arrangement (27, 28) for rotating the roller and thereby the spindle to wind or unwind the closure member.

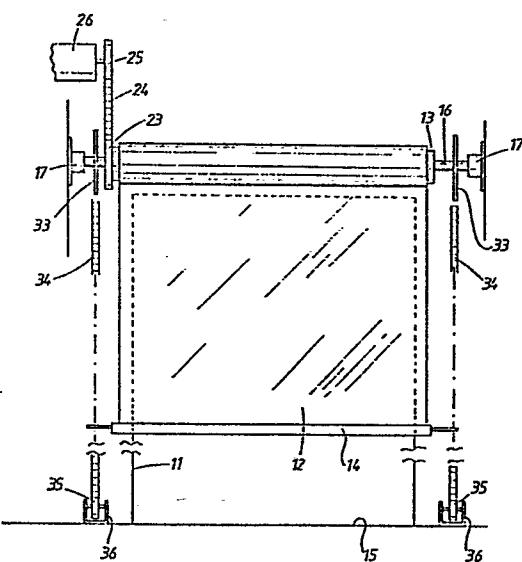
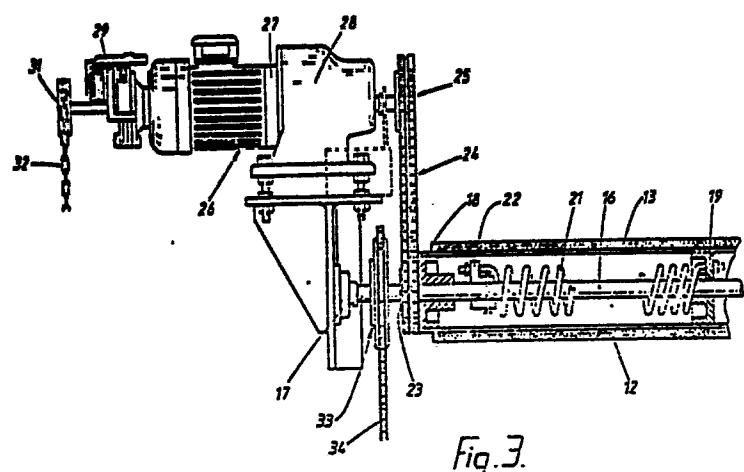


Fig.1.

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
X	FR-A-1 362 321 (CIE INDUSTRIELLE DE MATERIEL DE TRANSPORT) * Pages 1-3; figures 1-6 *	1-4, 6, 7	E 06 B 9/08 E 06 B 9/20
A	---	5	
A	FR-A-2 504 578 (FRANCIAFLEX)		
A	---		
	DE-A-2 842 381 (BAIER)		

			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
			E 06 B
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	20-08-1984	VIJVERMAN W.C.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			