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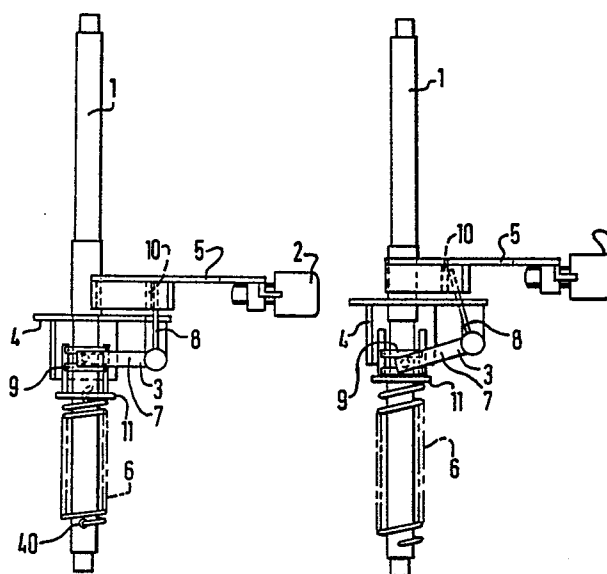
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54 **Door latches.**

57 The present invention provides a door latch comprising a tongue (2) having a projecting position for latching a door, a handle shaft (1) having a longitudinal axis, at least one handle which acts on the handle shaft (1) and means (3, 5, 46) for transmitting motion of the shaft (1) to the tongue (2), whereby the tongue (2) can be retracted from its projecting position to unlatch the door in at least two modes including moving the handle along the said axis, and rotating the handle with respect to the said axis.

Many variations of the means (3, 5, 46) for transmitting motion of the shaft (1) are disclosed. Some of these variations use the conventional D-lever component (46) alone, some use that component with additional components and further embodiments avoid use of a D-lever altogether.

Disclosure is made of arrangements in which the extent of projection of the tongue (2) from the body of the latch is variable. Optional selector means (9, 37) are provided so as to produce an "either-or" effect between the push-pull and turn modes of operation. A catch (51-61) which retains the tongue (2) in its retracted position when the door is open is also described. The catch (51-61) can be automatically released upon closure of the door.





European Patent
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EUROPEAN SEARCH REPORT

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EP 83 30 6852

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	US-A-3 490 803 (H.W. ROLLINS) * Complete document *	1, 2, 4, 5	E 05 C 1/12
X	DE-C- 3 586 (A.H. SMITH) * Complete document *	1-3, 6	
Y	* Complete document *	16	
X	US-A-1 733 442 (B.E. BARTHOLOMEW) * Figures 1,4; page 2, lines 94-100 *	15	
Y		16	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A		8	E 05 C 1/00
A	DE-C- 938 356 (W. AMANN) * Figure 1; page 2, lines 77-97 *	7	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 15-06-1984	Examiner KRABEL A.W.G.
CATEGORY OF CITED DOCUMENTS 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 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			

