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71 Applicant: **ASEA BROWN BOVERI AB**

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**S-721 83 Västeras(SE)**

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72 Inventor: **Akesson,Ulf  
Rotorvägen 41  
S-771 42 Ludvika(SE)**

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74 Representative: **Boecker, Joachim, Dr.-Ing.  
Rathenauplatz 2-8  
D-60313 Frankfurt (DE)**

54 **Polyphase high-voltage circuit breaker.**

57 The invention relates to a three-pole high-voltage circuit breaker with a device for synchronous closing or opening in relation to the phase position of voltage or current in the respective poles. The breaker has an operating mechanism with a rotary shaft (5) which is common to all the poles. The necessary time-lag between the instants of closing or opening in the different phases is brought about by mechanical means by connecting the movable contact (2) in each pole to the common rotary shaft (5) via an operating rod (3) and a crank lever (4) fixed to the shaft, the angle ( $\alpha_R, \alpha_S, \alpha_T$ ) between the crank lever and the direction of movement of the movable contact in one of the breaker poles differing in magnitude from the corresponding angle ( $\alpha_R, \alpha_S, \alpha_T$ ) in at least one of the other poles. By mutual adaptation of the lengths of the three crank levers (4), the same length of contact travel ( $s_1$ ) in the different breaker poles can be obtained.

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EUROPEAN SEARCH REPORT

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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.5)
A, D	DE-A-3 810 453 (ASEA BROWN) * the whole document * ---	1, 2	H01H1/00 H01H33/44 H01H33/02
A	CH-A-337 907 (SPRECHER & SCHUH) * the whole document * ---	1	
A	US-A-4 788 392 (ASAI) * column 4, line 8 - line 49 * ---	1	
A	EP-A-0 094 858 (MERLIN GERIN) * page 3, line 30 - line 37 * * page 5, paragraph 2 * ---	1	
A	EP-A-0 197 339 (BROWN BOVERI) * column 2, line 29 - line 44 * * column 4, line 50 - column 5, line 34 * -----	1, 2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01H
Place of search	Date of completion of the search	Examiner	
THE HAGUE	26 JULY 1993	DESMET W.H.G.	
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			

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