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(54) **Circuit breaker using arc contact**

(57) A circuit breaker is disclosed, which has a resistor interposed in an arc contact to make a small breaking current flow, to facilitate breaking a fault current and to facilitate insulation recovery after breaking the fault current so that a breaking performance can be ultimately enhanced. A cylinder is filled with an arc-extinguishing gas. A fixed main contact is formed in the cylinder. A movable main contact is connected to the fixed main contact to form a first current path and then is separated from

the fixed main contact for breaking a fault current at the time of detecting the fault current. A fixed arc contact is formed in the cylinder and has a resistor interposed between a body and a tip of the fixed ac contact for reducing the fault current. A movable arc contact is connected to the fixed arc contact to form a second current path so that the movable arc contact is in contact with the resistor of the fixed arc contact and then is separated from the fixed arc contact for reducing the fault current at the time of detecting the fault current.

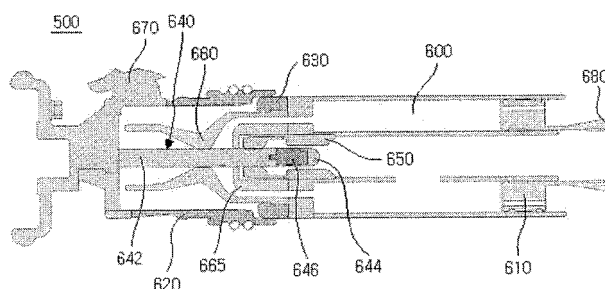


Fig. 6



EUROPEAN SEARCH REPORT

Application Number
EP 07 25 4459

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 October 2009	Examiner Mäki-Mantila, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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