

Title (en)  
A LINKAGE FOR ACTUATING A DISCONNECTOR SWITCH BLADE FOR SYNCHRONISING A SBS WITH DISCONNECTOR SWITCH OF RMU

Title (de)  
Bindung zur Betätigung einer Trennschalterklinge zur Synchronisation eines SBS mit einem Trennschalter von RMU

Title (fr)  
Liaison d'activation de lame de commutation de déconnecteur pour synchroniser un SBS avec un commutateur de déconnecteur de RMU

Publication  
**EP 2879146 A1 20150603 (EN)**

Application  
**EP 14306844 A 20141120**

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Abstract (en)  
The present invention discloses a linkage for actuating a disconnector switch blade in order to integrate a Shunt Breaking System (SBS) in existing disconnector switch of Ring Main Unit (RMU) which fulfills synchronization requirement of the SBS with the disconnector switch. The linkage includes a plurality of follower links connected to an offset link disposed over a drive shaft, a drive link for transferring mechanism energy to the plurality of follower links through a sliding pin joint which is directly pivoted to the offset link for ensuring the synchronization within the disconnector switch and the SBS, wherein the linkage enlarges the stroke of the disconnector switch blade during switch open and switch closed operations and maintains the stroke same as the disconnector switch mechanism during switch earth operation. The offset link is fixed over the drive shaft at offset distance from centre of the drive shaft to provide enlarged stroke of the disconnector switch blade in switch closed and switch open operations.

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Citation (applicant)  
• EP 2182536 A1 20100505 - AREVA T & D SAS [FR]  
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• [XA] DE 4305512 A1 19940818 - SIEMENS AG [DE]  
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