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(54) **Synchronizing between image sequences of the heart acquired at different heartbeat rates**

(57) A method for performing a medical procedure includes holding a non-linear dependence between the duration of a given phase within a cardiac cycle and a respective heartbeat rate. First and second image sequences of the dynamic activity of the heart of a patient, acquired at respective different first and second heartbeat rates of the heart, are received. Synchronization

between the first and second image sequences is performed based on the non-linear dependence, on the first and second heartbeat rates, and on a given common heartbeat rate. The first and second image sequences are played in synchronization with the common heartbeat rate.

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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 March 2016	Examiner Philips, Petra
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			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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专利名称(译)	在以不同心跳速率获得的心脏的图像序列之间同步		
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其他公开文献	EP2905951B1 EP2905951A2		
外部链接	Espacenet		

摘要(译)

用于执行医疗程序的方法包括保持心动周期内的给定阶段的持续时间与相应的心跳速率之间的非线性依赖性。接收在心脏的相应不同的第一和第二心跳速率下获取的患者心脏的动态活动的第一和第二图像序列。基于非线性依赖性，第一和第二心跳速率以及给定的共同心跳速率来执行第一和第二图像序列之间的同步。第一和第二图像序列与共同心跳速率同步播放。

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