

Title (en)  
METHODS AND APPARATUS FOR USE IN SOUND MODIFICATION

Title (de)  
VERFAHREN UND VORRICHTUNGEN ZUR VERWENDUNG BEI DER TONMODIFIKATION

Title (fr)  
PROCEDE ET APPAREIL PERMETTANT DE MODIFIER LE SON

Publication  
**EP 1849154 B1 20101215 (EN)**

Application  
**EP 06709573 A 20060126**

Priority  

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Abstract (en)  
[origin: WO2006079813A1] A digitised audio signal (310) , such as an amateur's singing, and a digital guide audio signal (312) are supplied to a time alignment process (320) that produces a time-aligned new signal (330) , time-aligned to the guide signal. Pitch along the time-aligned new signal (330) and along the guide signal (312) is measured in processes (340) and (345) which supply these measurement to a pitch adjustment calculator (370) which calculates a pitch correction factor Cs (Fps) from these measurements and the nearest octave ratio of the signal A pitch changing process (380) modulates the pitch of the time-aligned new signal (330) to produce a time-aligned and pitch adjusted new signal (390) .

IPC 8 full level  
**G10H 1/36** (2006.01); **G10L 25/90** (2013.01); **G10L 21/00** (2006.01); **G10L 21/013** (2013.01)

CPC (source: EP)  
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