

Title (en)

A system for controlling the movement of sliders in musical instruments with pipes and the like

Title (de)

Bewegungskontrollsystem für Schieber in Musikinstrumenten mit Pfeifen und dergleichen

Title (fr)

Système de gestion des mouvements de curseurs dans les instruments de musique à tuyaux et analogues

Publication

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Application

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Priority

IT CN20030011 A 20030520

Abstract (en)

The system comprises: an air-fed organ case (4) and comprising orifices (5) which communicate with a chamber underlying the musical pipes (3), whose foot is engaged in a hole provided in said chamber, sliders (6) that control the flow of air through each orifice (5), while at least one slider (6) is actuated with the aid of a respective key (7), first position sensor means (14), arranged to sense the travel of each key (7), second position sensor means (12), arranged to sense the travel of each slider (6), and electrical / electronic circuit means (25, 26, 27, 49), which establish a correspondence between the displacements of the first position sensor means (14) and those of the second position sensor means (12) and, with the intermediary operation of respective actuator means (11) move at least a corresponding slider (6). According to the invention, said actuator means (11; 68) comprise a movable member (21, 23) which is driven to perform reciprocating movements proportionately to the movements of the respective key (7) and controls, directly and in correspondingly proportional fashion, the movement of at least a respective slider (6) both in its opening travel and in the closing travel with respect to the corresponding orifice (5). <IMAGE>

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