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Ozlem Keles et al.

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(54) **ORTHODONTIC PALATAL AND JAW EXPANSION DEVICE THAT CAN BE EASILY ATTACHED TO/DETACHED FROM INSIDE THE MOUTH**

(58) **Field of Classification Search**

CPC A61C 7/10; A61C 7/12; A61C 7/36

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See application file for complete search history.

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A61C 7/10 (2006.01)

(52) **U.S. Cl.**

CPC **A61C 7/10** (2013.01)

(57) **ABSTRACT**

The present invention relates to a palatal and jaw expansion device comprising at least one screw, at least two blocks that are positioned on the screw so as to move on the screw, at least one stabilization rod whereon the blocks are seated, a movement mechanism disposed at the center of the screw and an arm that has a fixed end fixed to the movement mechanism perpendicularly to the horizontal axis where the screw extends and a free end and hat, when force is applied on the free end, rotates the movement mechanism whereon the arm is fixed and the screw around the horizontal axis where the screw extends, enabling the blocks to move on the screw.

12 Claims, 4 Drawing Sheets

