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(57) Abstract :

A scrabble solving assistive device, comprising a board 1 positioned on a wall of an enclosure, plurality of suction cups for affixing board 1 with wall, plurality of compartments 2 for storing a display unit 3 to display a series of alphabets posing a riddle that is to be solved by user by placing various auxiliary characters, a multi-sectioned chamber 4 for storing auxiliary characters, a motorized lid 6 for allowing withdrawal of auxiliary characters, plurality of touch sensors 7 for enabling user to specify position over which user desires to place withdrawn character, a robotic arm 8 configured with a suction unit 9 for gripping and placing user desired character on a user specified position, and an artificial intelligence-based imaging unit 10 for capturing and processing images of a user.

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