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(57) Abstract :

A neck posture maintaining device characterizes an extendable wearable body 1 having configured to be adapted on neck region, first portion 2 is configured on jaw region of a user and second portion 3 is adapted to assemble over a thorax region of user's body to provide support to maintain upright posture, an artificial intelligence image capturing module 4 for capturing multiple images of neck portions for determining dimensions of user, a sensing module detects pressure exerted on thorax and neck region while moving a jaws and vital parameters of user for generating command towards in case alternation determined in parameters, a pair of rods 5 having a primary ends 7 which is hinged with body 1 while secondary ends 8 are linked to each other via gear arrangement 6 activates to expand/contract rods 5 for altering distance between jaw and thorax portion for maintaining posture in upright posture.

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