

(54) Title of the invention : TREE BRANCH SUPPORT DEVICE

(51) International classification :A01G17/10, A01G9/12, G06T7/00,  
G06V10/00

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :  
A tree branch support device comprises of, a frame installed with a first semi-circular ring 1, wherein the first semi-circular ring 1 is installed with an artificial intelligence enabled image capturing module 2 for determining girth of the tree, multiple links configured with the first semi-circular ring 1 arranged in an overlapped manner via motorized hinges 3, to deploy the links, primary motorized pop-out balls 4 to freely move the first semi-circular ring 1 around the trunk as per requirement, multiple L-shaped extendable rods 5 arranged on the first semi-circular ring 1 via motorized ball and socket joints, in view of initiating a stem support operation, a second semi-circular ring 6 mounted on an end of each of the rods 5 that are configured with plurality of secondary motorized pop-out wheels 7 for aiding in accommodation of the second semi-circular ring 6.

No. of Pages : 14 No. of Claims : 3