

ORTHODONTIC APPLIANCE AND PLIERS FOR ORTHODONTICS

Abstract

The present invention provides an orthodontic appliance according to a novel orthodontic scheme. The orthodontic appliance comprises: a base member fixed to two or more screws implanted in the vicinity of median palatine suture of a palate bone; an arm-shaped arm member having a first connecting portion connected to the base member and a second connecting portion located in the vicinity of palatal side of a tooth; and a traction member that is made of an elastic wire material and pulls a tooth as the traction target. Here, the traction member has a traction base portion fixed to the second connecting portion, a traction fixation portion hooked on a bracket that is fixed to the traction target located away from the traction base portion, and a traction force generation portion that is located between the traction base portion and the traction fixation portion and applies a rearward traction force and a frontward rotational force or a frontward traction force and a rearward rotational force to the bracket via the traction fixation portion. The traction fixation portion has a bent portion in which the wire material extending along the dentition is plastically deformed and bent toward the tooth root side. The bent portion is hooked on a protruding portion protruding to the palate side in the bracket.

[FIG. 7]