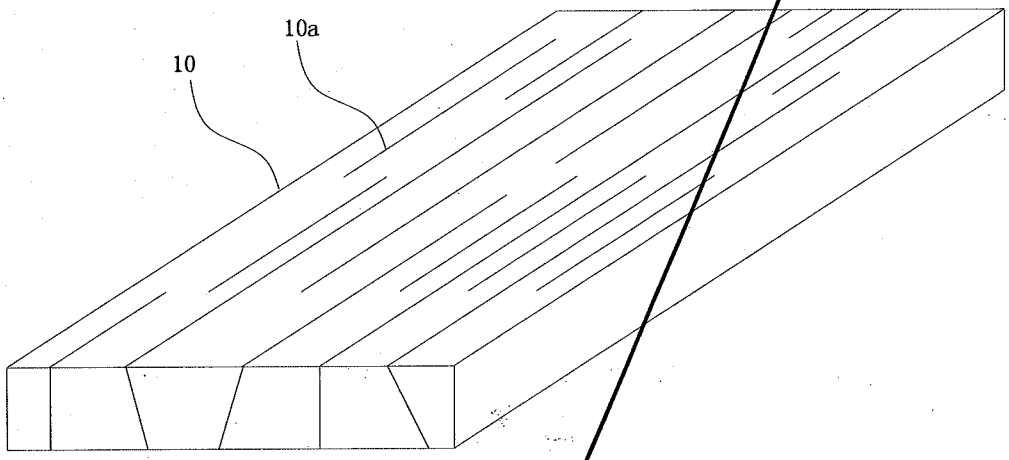


Fig.1

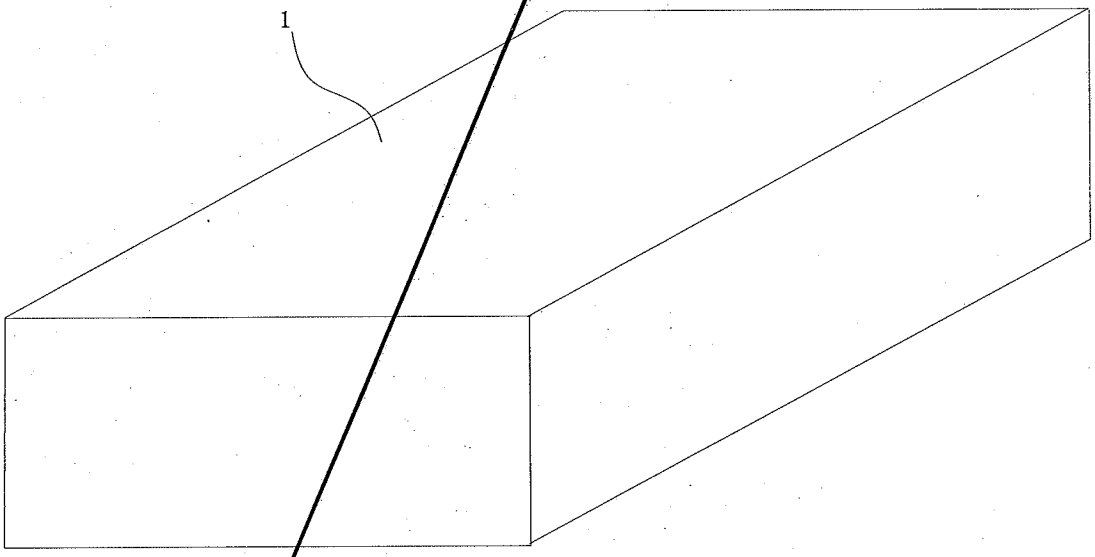


Fig. 2

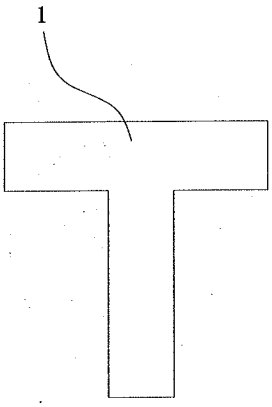


Fig. 3

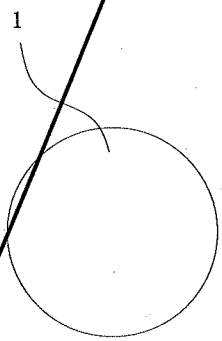


Fig. 4

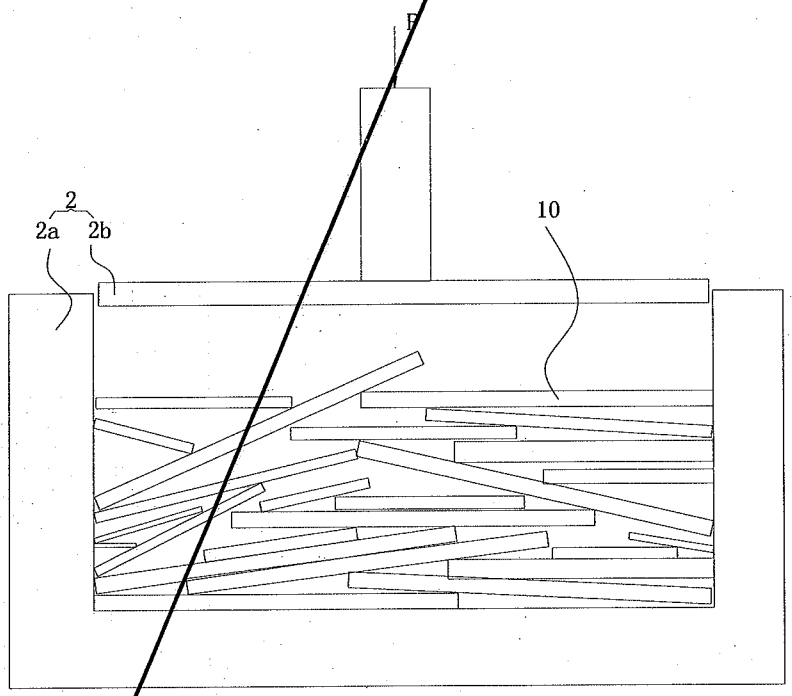


Fig. 5

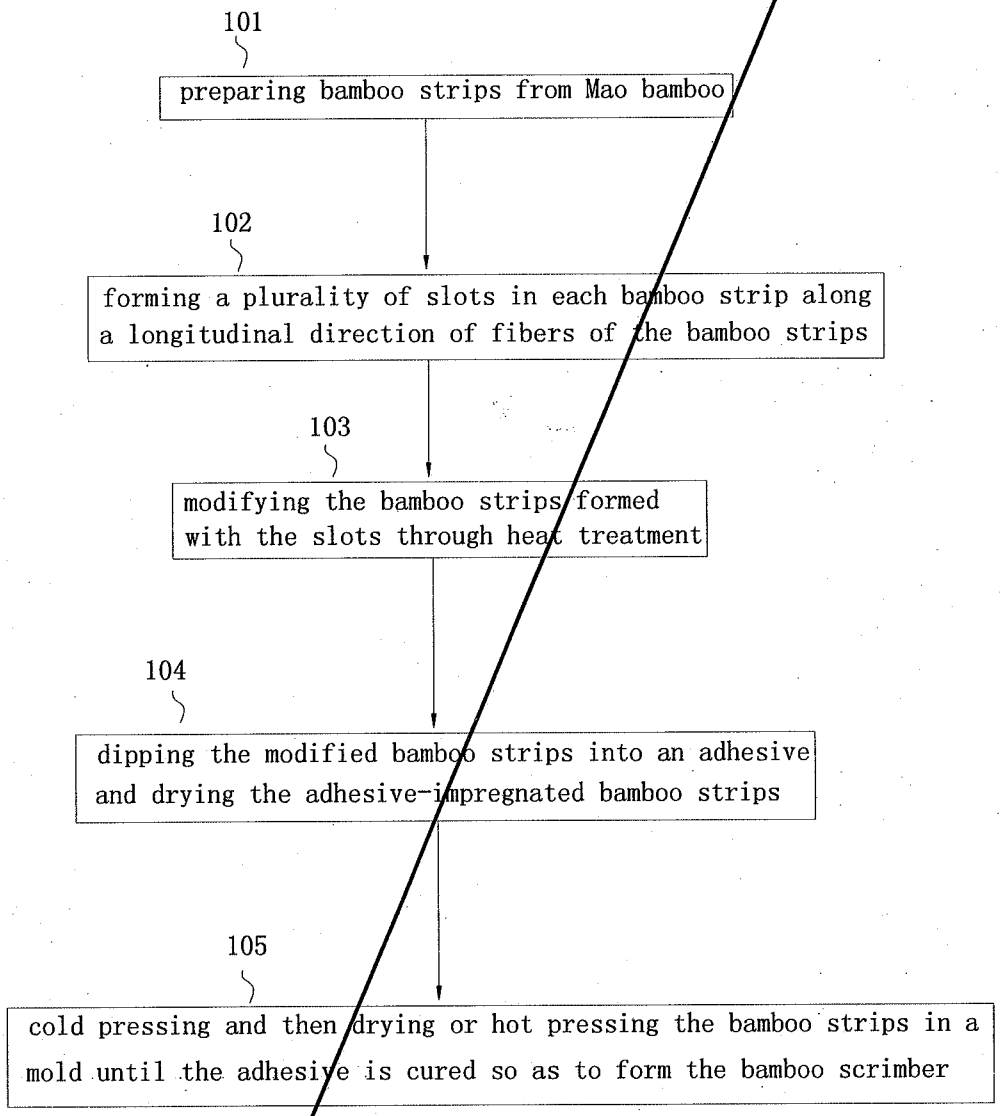

101
preparing bamboo strips from Mao bamboo
102
forming a plurality of slots in each bamboo strip along a longitudinal direction of fibers of the bamboo strips
103
modifying the bamboo strips formed with the slots through heat treatment
104
dipping the modified bamboo strips into an adhesive and drying the adhesive-impregnated bamboo strips
105
cold pressing and then drying or hot pressing the bamboo strips in a mold until the adhesive is cured so as to form the bamboo scrimber

Fig. 6

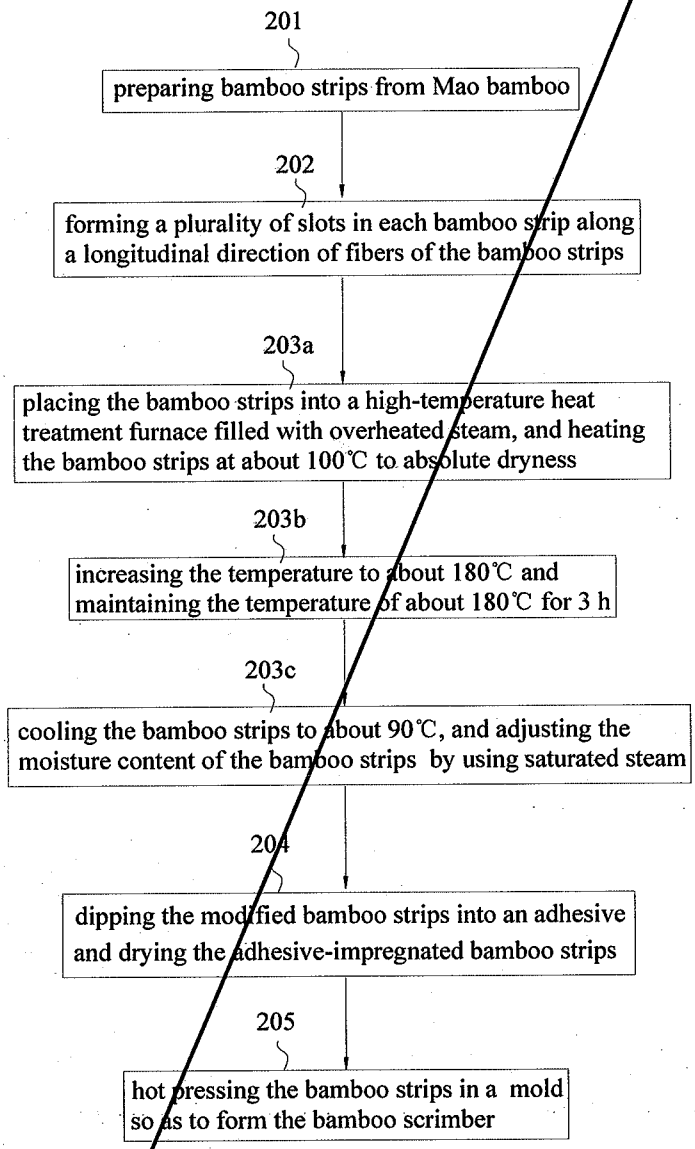

201
preparing bamboo strips from Mao bamboo
202
forming a plurality of slots in each bamboo strip along a longitudinal direction of fibers of the bamboo strips
203a
placing the bamboo strips into a high-temperature heat treatment furnace filled with overheated steam, and heating the bamboo strips at about 100℃ to absolute dryness
203b
increasing the temperature to about 180℃ and maintaining the temperature of about 180℃ for 3 h
203c
cooling the bamboo strips to about 90℃, and adjusting the moisture content of the bamboo strips by using saturated steam
204
dipping the modified bamboo strips into an adhesive and drying the adhesive-impregnated bamboo strips
205
hot pressing the bamboo strips in a mold so as to form the bamboo scrimber

Fig.7

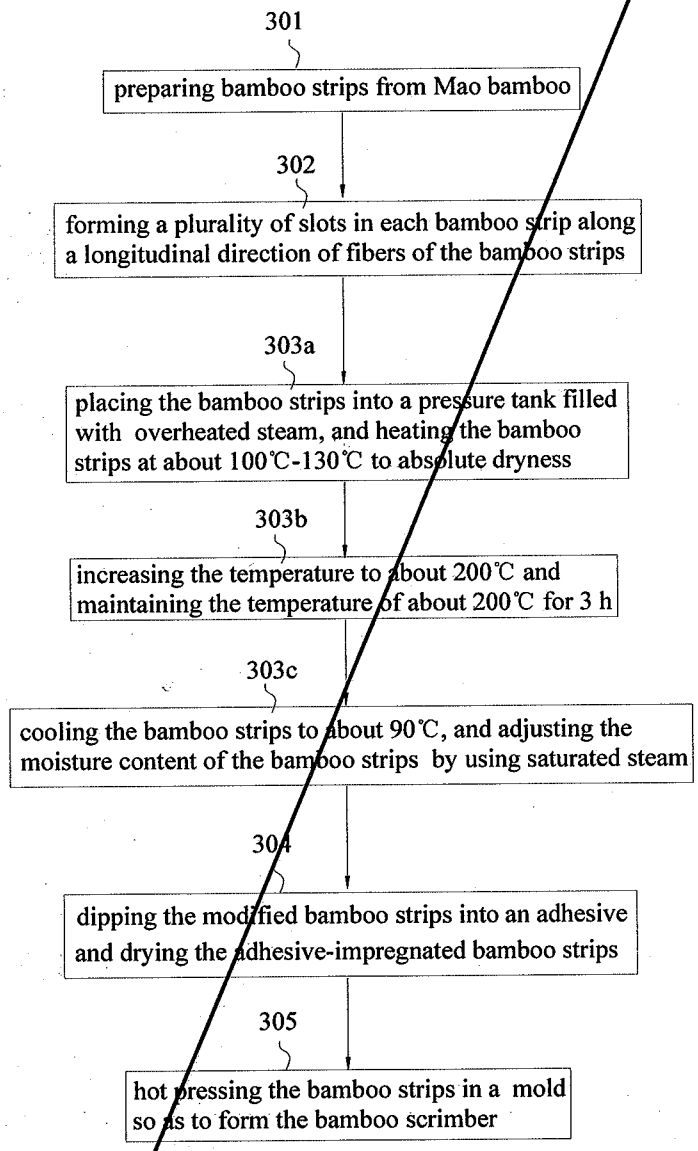

301
preparing bamboo strips from Mao bamboo
302
forming a plurality of slots in each bamboo strip along a longitudinal direction of fibers of the bamboo strips
303a
placing the bamboo strips into a pressure tank filled with overheated steam, and heating the bamboo strips at about 100℃-130℃ to absolute dryness
303b
increasing the temperature to about 200℃ and maintaining the temperature of about 200℃ for 3 h
303c
cooling the bamboo strips to about 90℃, and adjusting the moisture content of the bamboo strips by using saturated steam
304
dipping the modified bamboo strips into an adhesive and drying the adhesive-impregnated bamboo strips
305
hot pressing the bamboo strips in a mold so as to form the bamboo scrimber

Fig.8

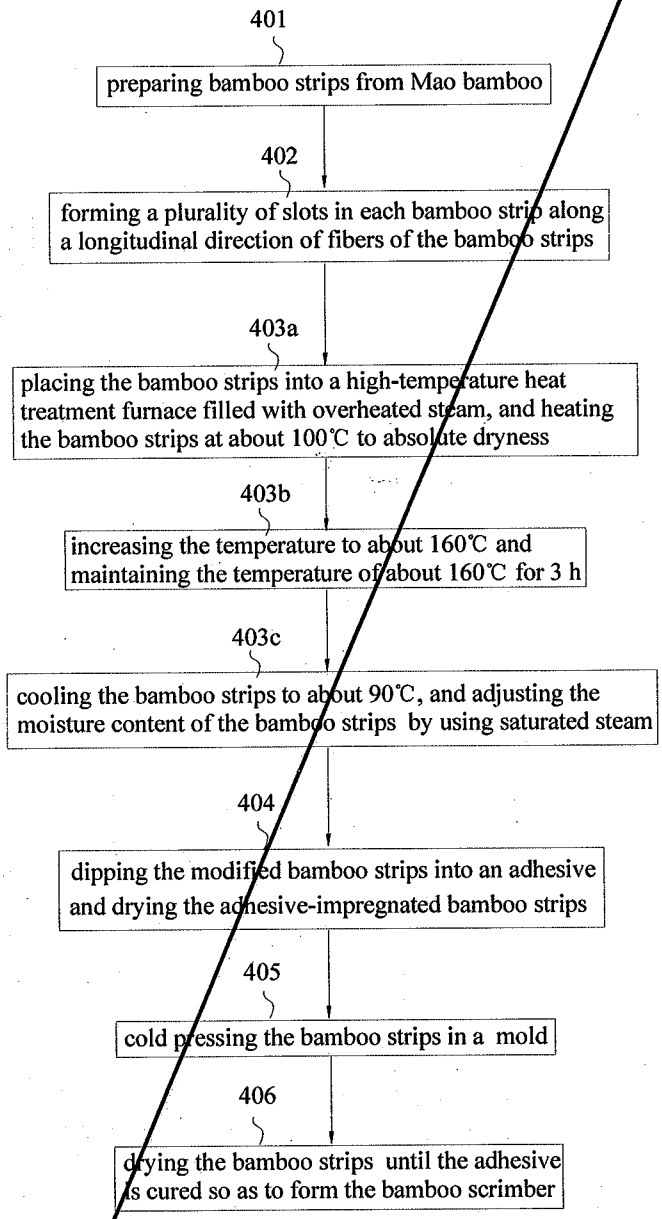

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forming a plurality of slots in each bamboo strip along a longitudinal direction of fibers of the bamboo strips
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placing the bamboo strips into a high-temperature heat treatment furnace filled with overheated steam, and heating the bamboo strips at about 100℃ to absolute dryness
403b
increasing the temperature to about 160℃ and maintaining the temperature of about 160℃ for 3 h
403c
cooling the bamboo strips to about 90℃, and adjusting the moisture content of the bamboo strips by using saturated steam
404
dipping the modified bamboo strips into an adhesive and drying the adhesive-impregnated bamboo strips
405
cold pressing the bamboo strips in a mold
406
drying the bamboo strips until the adhesive is cured so as to form the bamboo scrimber

Fig.9

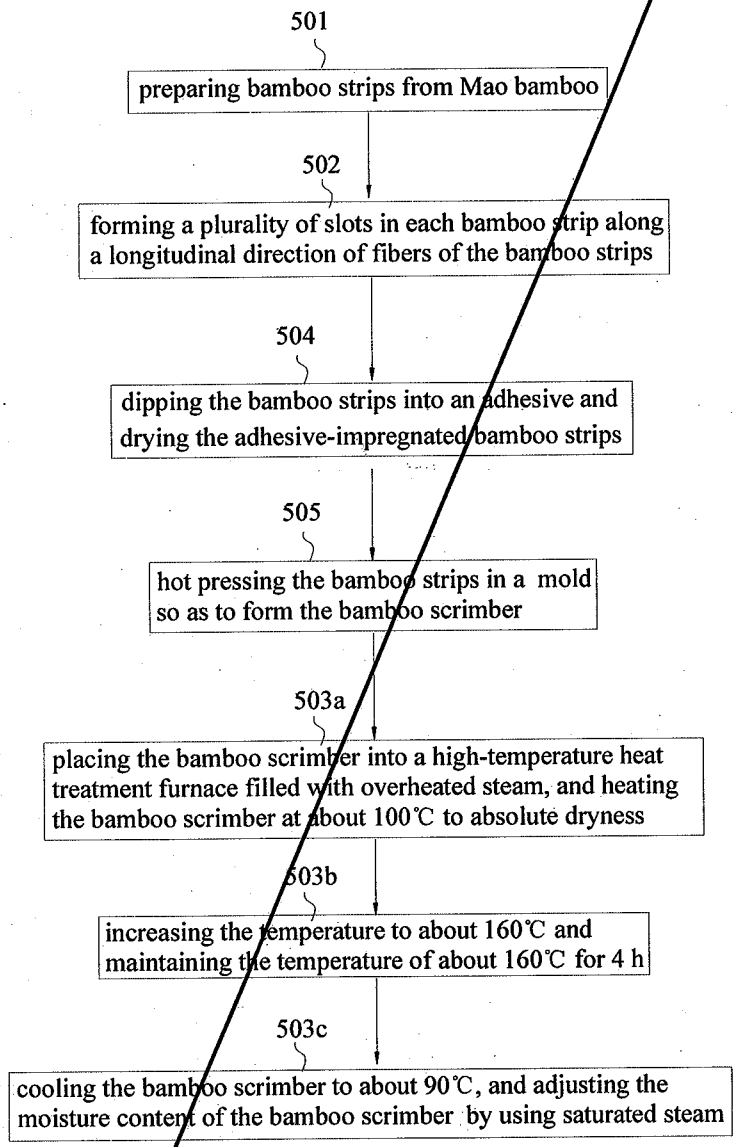

501
preparing bamboo strips from Mao bamboo
502
forming a plurality of slots in each bamboo strip along a longitudinal direction of fibers of the bamboo strips
504
dipping the bamboo strips into an adhesive and drying the adhesive-impregnated bamboo strips
505
hot pressing the bamboo strips in a mold so as to form the bamboo scrimber
503a
placing the bamboo scrimber into a high-temperature heat treatment furnace filled with overheated steam, and heating the bamboo scrimber at about 100℃ to absolute dryness
503b
increasing the temperature to about 160℃ and maintaining the temperature of about 160℃ for 4 h
503c
cooling the bamboo scrimber to about 90℃, and adjusting the moisture content of the bamboo scrimber by using saturated steam

Fig.10

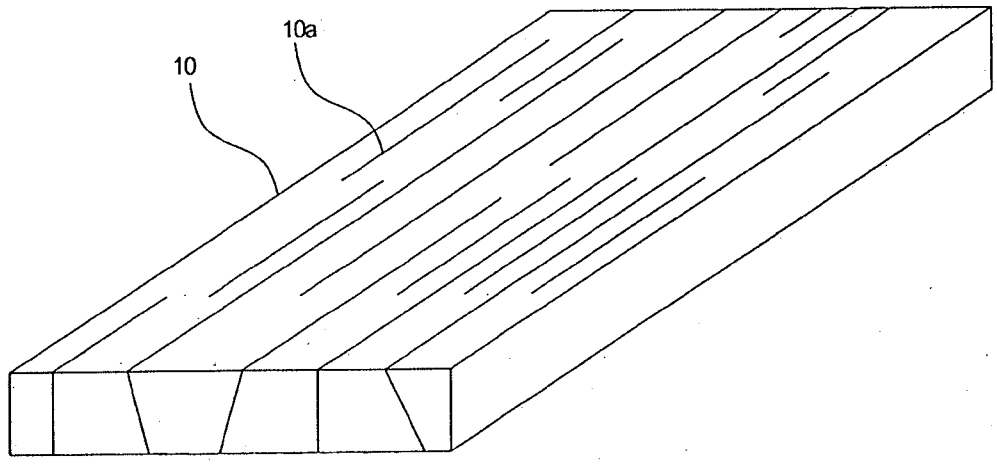


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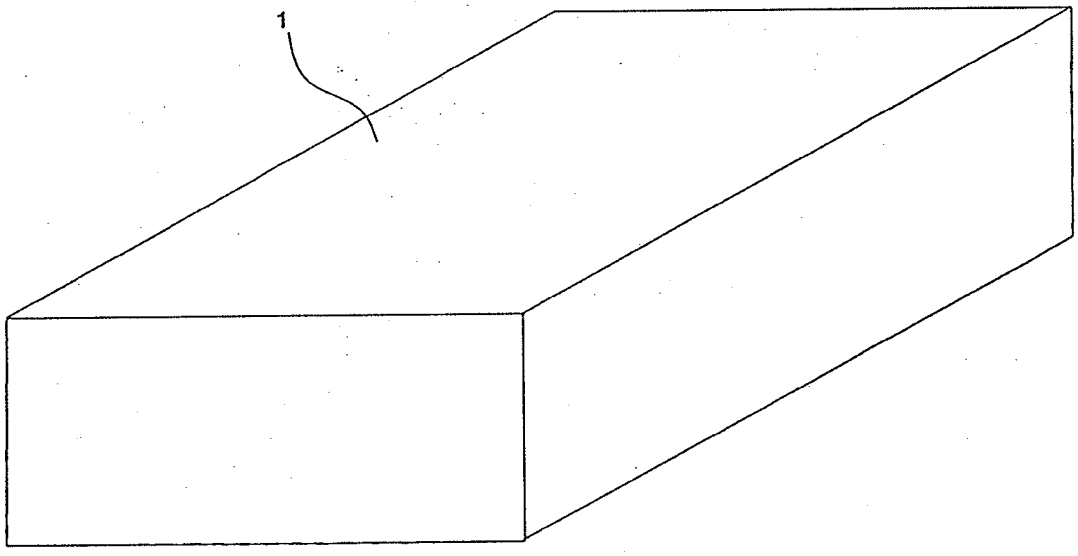


Fig. 2

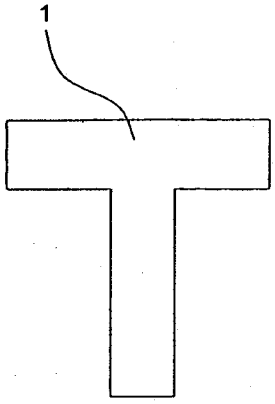


Fig. 3

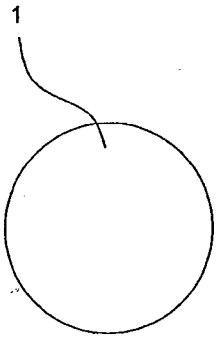


Fig. 4

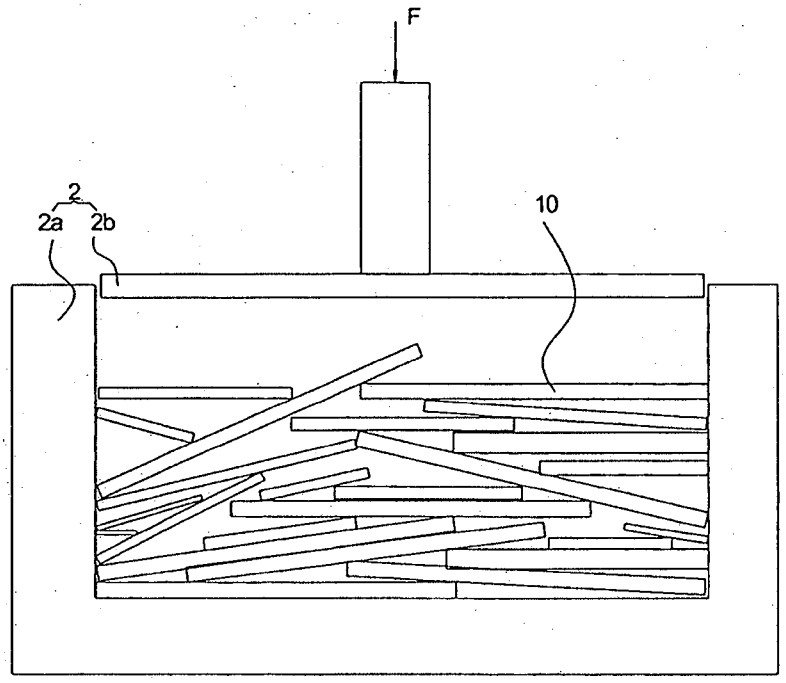


Fig. 5

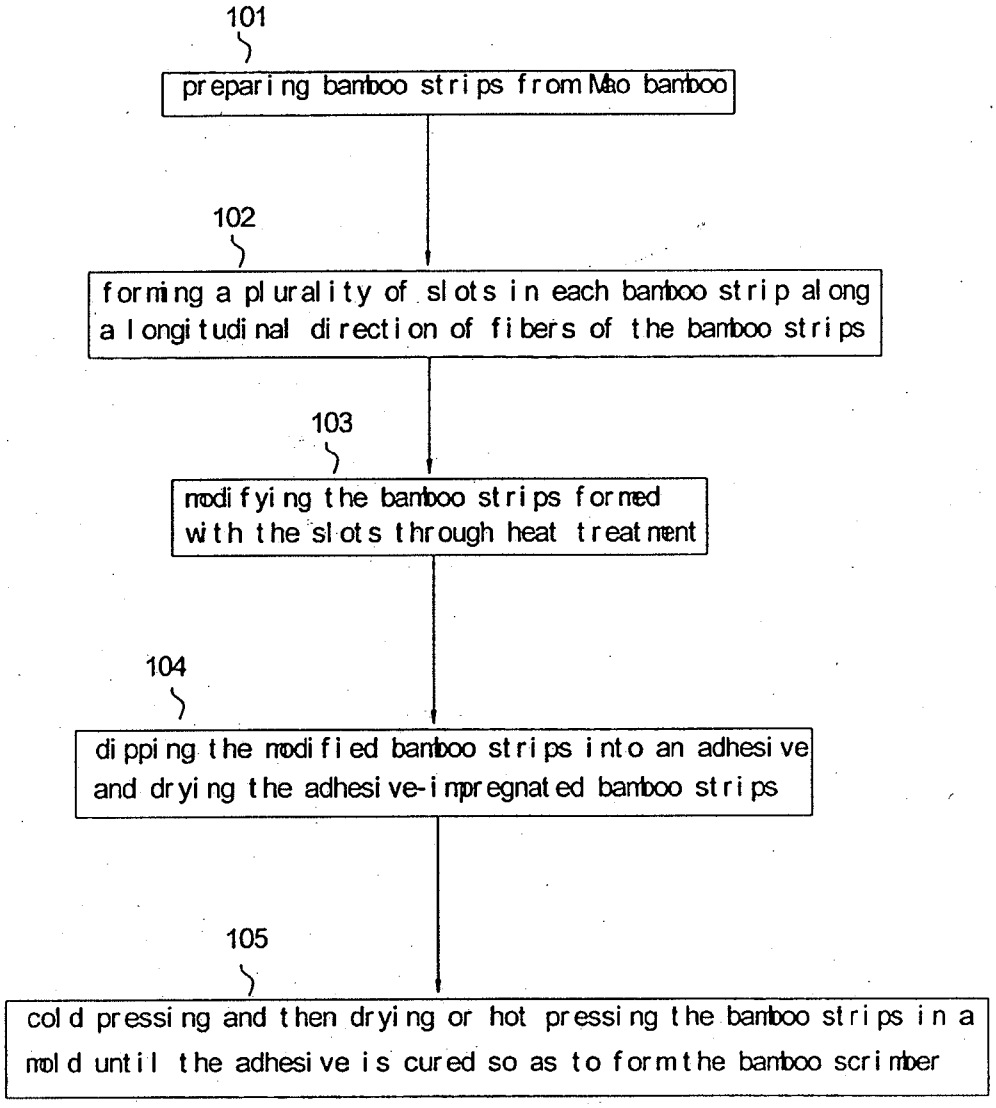

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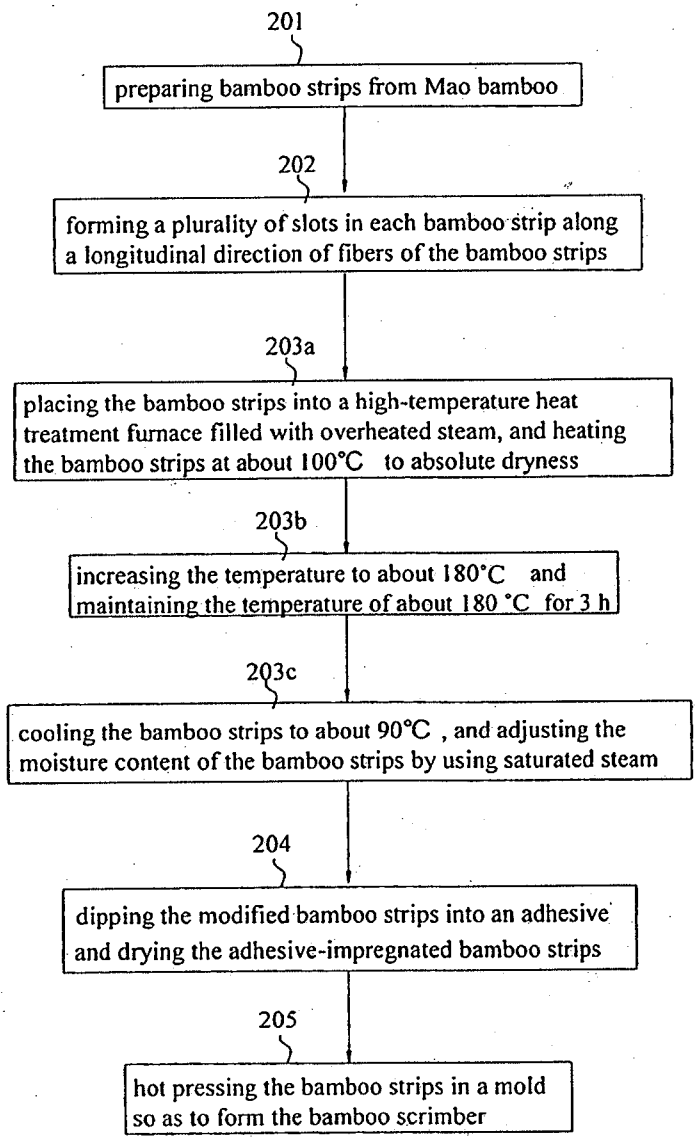

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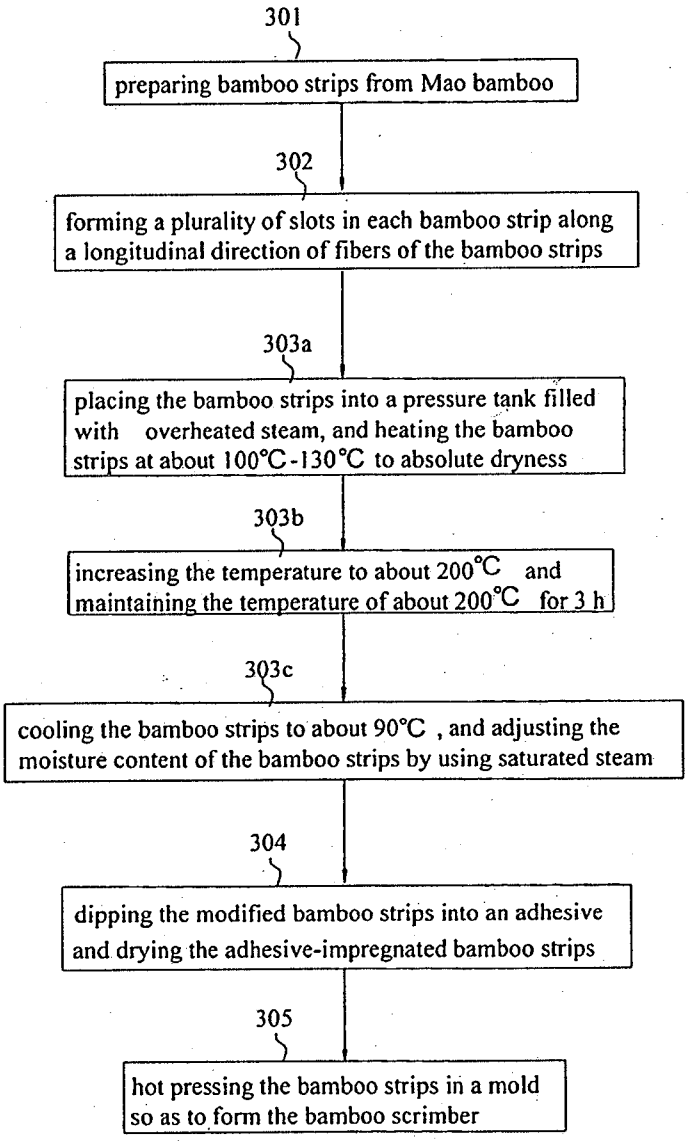

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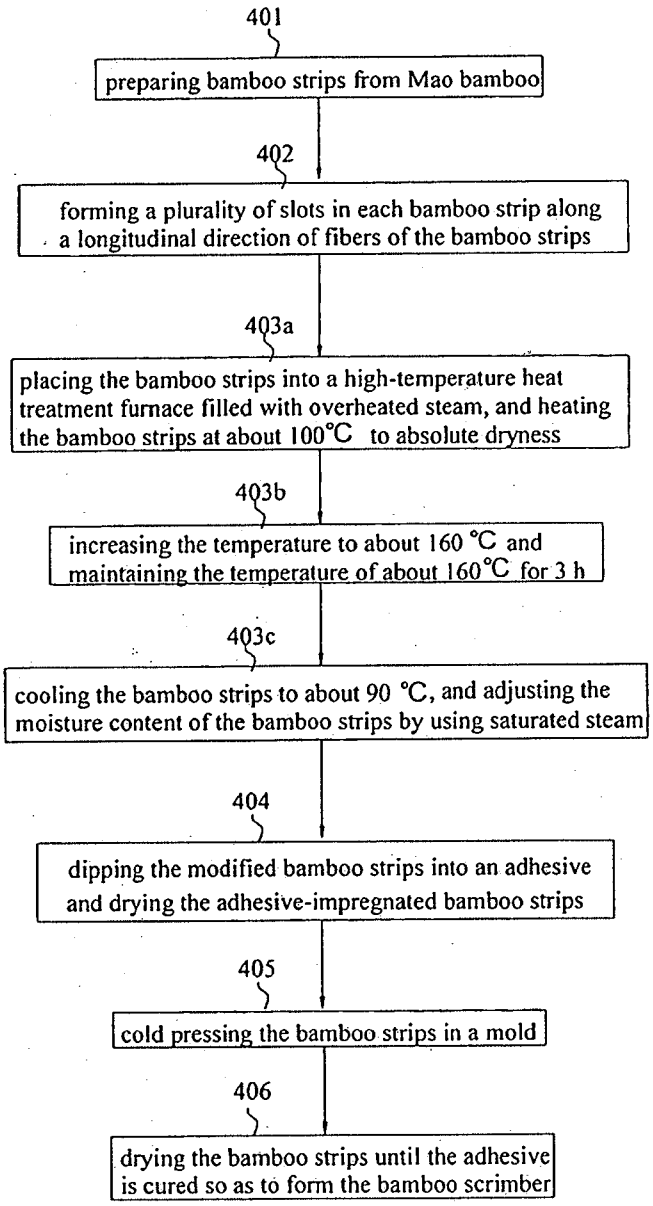

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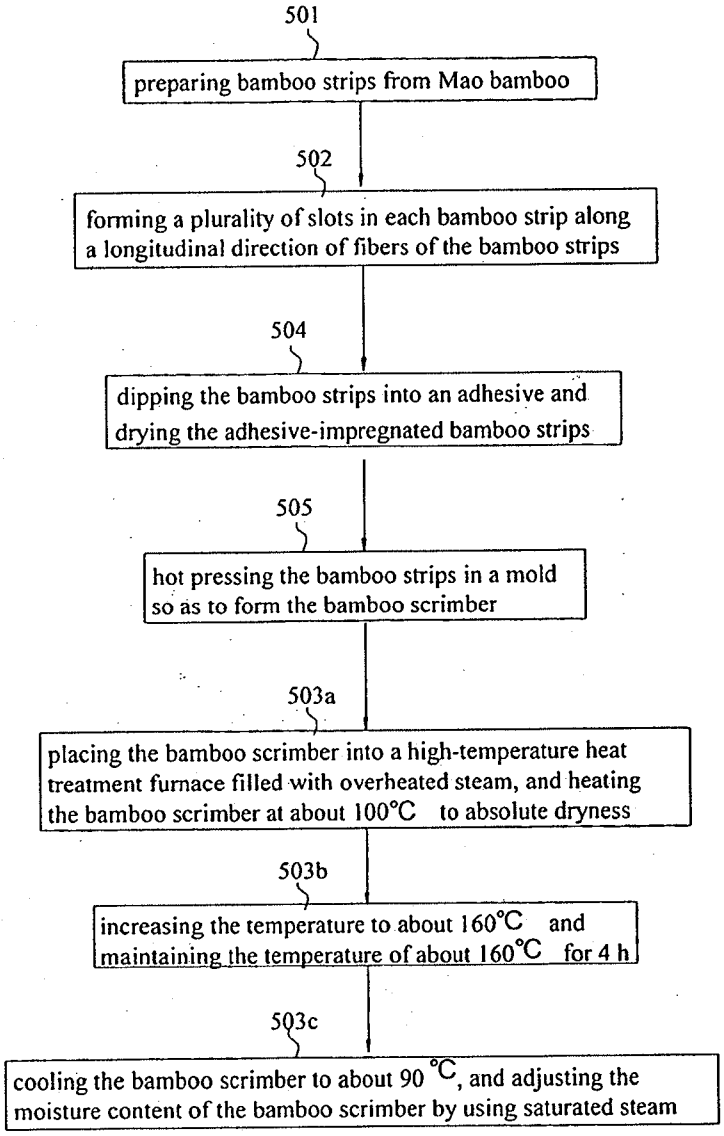

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