

Title (en)
DEVICE FOR PRODUCING YARN

Publication
EP 0171731 B1 19891025 (EN)

Application
EP 85109828 A 19850805

Priority
JP 16804784 A 19840811

Abstract (en)
[origin: EP0171731A2] A device for producing a yarn from a staple fiber, comprising a pair of twisting rollers rotatable in the same direction and arranged in a manner confronting each other with a small gap between peripheral surfaces thereof, a spinning zone being formed on the upper surfaces of the twisting rollers in the vicinity of confronting portions of the rollers for condensing staple fibers to form a fiber bundle, at least one of the twisting rollers being provided with a plurality of grooves on at least one part of a peripheral surface thereof; a first duct for supplying a separated staple fiber, provided with an outlet opening disposed closely above the spinning zone; a second duct for sucking air, provided with an outlet opening disposed to confront the outlet opening of the first duct while intervened by the spinning zone so that the air is sucked from the spinning zone through a channel formed by the grooves; and means for withdrawing the fiber bundle from the spinning zone in a direction substantially along an axis of the twisting rollers to form a yarn.

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