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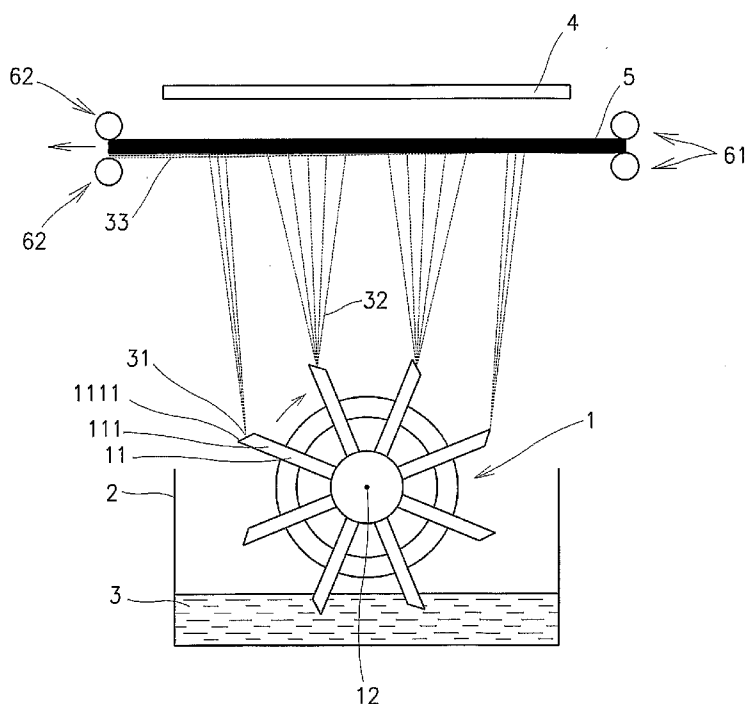
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(54) Title: A METHOD AND DEVICE FOR PRODUCTION OF NANOFIBRES FROM THE POLYMERIC SOLUTION THROUGH ELECTROSTATIC SPINNING



(57) Abstract: Production method of nanofibres from the polymeric solution through electrostatic spinning in electric field created by a difference of potentials between the collecting electrode (4) and pivoted spinning electrode (1) of an oblong shape touching by a part of its circuit the polymeric solution (3), while by rotation of the spinning electrode (1) the polymeric solution (3), at least by a portion of its surface, is carried out into the electric field in which on the surface of the collecting electrode (4) the nanofibres are created which are carried to the collecting electrode (4) and deposited on the surface of a basic material (5) guided between the spinning electrode (1) and the collecting electrode (4) in vicinity of the collecting electrode (4). The polymeric solution (3), on surface of the spinning electrode (1) in a place of intersection of surface of the spinning electrode (1) with the plane interlaid by the axis of the spinning electrode (1) and being perpendicular to the

plane of the base material (5), along the whole length of the spinning electrode (1), is subject to the electric field of a maximum and equal intensity, through which a high and even spinning effect is achieved along the whole length of the spinning electrode (1). The invention also relates to the device for production of nanofibres from polymeric solution through electrostatic spinning.

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— *with amended claims and statement*

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