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(71) Applicant: **EVONIK OPERATIONS GMBH** [DE/DE]; Rellinghauser Strasse 1-11, 45128 Essen (DE).

(72) Inventors: **STEINHAUSER, Bernhard**; Prandtauerweg 3, 4050 Traun (AT). **KILGUS, Jakob**; Dörflstrasse 56, 4840 Vöcklabruck (AT). **GEHMAIR, Reinhard**; Ausserungenach 12, 4850 Timelkam (AT). **SCHAUSBERGER, Stefan**; Hainbach 12A, 4861 Aurach am Hongar (AT). **BODINGBAUER, Andre**; Sonnenstrasse 25a / Top 8, 4852 Weyregg (AT). **KAMAL, Ahmed**; Exlwöhr 57, 4870 Vöcklamarkt (AT).

(74) Agent: **EVONIK PATENT ASSOCIATION**; c/o Evonik Industries AG, IP Management, Postcode 84/339, Rodenbacher Chaussee 4, 63457 Hanau (DE).

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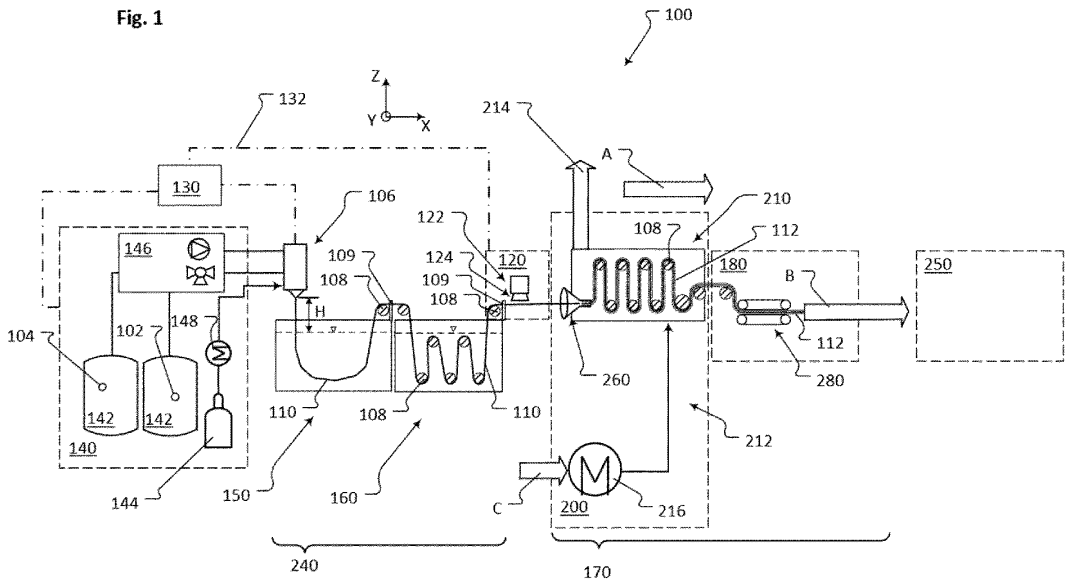
(54) **Title:** PLANT AND PROCESS FOR PRODUCING A FIBRE FROM A POLYMER SOLUTION

Fig. 1



(57) **Abstract:** Plant and process for producing a spun fibre from at least one polymer substrate comprising a control unit, a storage and feed unit for media, a spinning unit for forming the fibre, wherein downstream of the spinning unit for treatment of the fibre at least the following plant units are comprised in the recited sequence and wherein a plurality of guide and drive elements are provided along a transport path of a fibre through the plant: • a fixing unit into which the fibre can be introduced or passed immediately after the spinning unit, • at least one post-treatment unit, wherein the fibre passes through the plant in a main conveying direction, wherein the fibre is a solid fibre or a hollow fibre, wherein downstream of the spinning unit at least one contactless and non-destructive detection station with at least one detection unit is provided, by means of which at least one measured value relating to the geometry of the fibre conveyed in a transport direction can be detected in situ, and wherein the detection unit is at least in data communication with the control unit and

WO 2025/201961 A1

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is configured to effect data processing of the at least one measured value.