

Title (en)
IMPROVED DRUM FOR THE MILLING TREATMENT OF LEATHERS

Title (de)
VERBESSERTE TROMMEL ZUR MAHLBEHANDLUNG VON LEDERN

Title (fr)
TAMBOUR AMÉLIORÉ POUR LE TRAITEMENT DE CUIRS PAR FOULAGE

Publication
EP 3601622 B1 20220629 (EN)

Application
EP 17823216 A 20171204

Priority

- IT 201700031928 A 20170323
- IB 2017057604 W 20171204

Abstract (en)
[origin: WO2018172837A1] An improved drum for the milling treatment of the leathers comprising a bearing frame (2) resting on a reference surface of an industrial factory, a movable hollow body (3), coupled with the bearing frame (2) and made of at least partly thermally conductive material, receiving in its inner volume (4) the leathers to be treated by milling, motorization means operatively connected with the movable hollow body (3) in such a way as to place it in rotation around a linear axis (X) when the leathers must be treated in the inner volume (4) of the hollow body (3), an outer casing (5) coupled with the bearing frame (2) and surrounding the movable hollow body (3) with which it defines an annular space (6). In particular, the improved drum (1) comprises a conditioning circuit (7) cooperating with the movable hollow body (3) through air (A1) which the conditioning circuit (7) conveys within the annular space (6) at a given temperature, varied by adjustment means depending on the contingent needs of treatment of the leathers inside the hollow body (3) in rotation, so that the outer wall (3a) of the hollow body (3) is kept at a predefined temperature, deemed to be adequate for each phase of the treatment of the leathers in the hollow body (3), and a structural assembly (8) formed by the outer casing (5) and the movable hollow body (3) defines a heat exchanger in which the air (A1) which is conveyed into the annular space (6) and flows around the outer wall (3a) of the hollow body (3) stands for a first one of the heat exchange fluids and is at least hot in the initial stage of the treatment of the leathers, in order to contribute to the heating of the leathers in the inner volume (4) of the hollow body (3), and cold in the advanced stage of the treatment of the leathers in order to dissipate the heat in excess developed by friction by the leathers moving in the inner volume (4) of the hollow body (3).

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