

Title (en)

MACHINE FOR FINISHING FLEXIBLE LAMINAR SURFACES USED AS COATING OF OBJECTS

Title (de)

MASCHINE ZUR FERTIGBEARBEITUNG VON FLEXIBLEN FLÄCHIGEN OBERFLÄCHEN, DIE ALS BESCHICHTUNG VON GEGENSTÄNDEN VERWENDET WERDEN

Title (fr)

MACHINE DE FINITION DE SURFACES LAMINAIRES FLEXIBLES UTILISÉES COMME REVÊTEMENT D'OBJETS

Publication

EP 3599289 B1 20211103 (EN)

Application

EP 19188041 A 20190724

Priority

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Abstract (en)

[origin: EP3599289A2] A machine (1) for finishing flexible laminar surfaces (P) used as coating of objects comprising a load-bearing frame (2) resting on a reference surface (S), a lower transport and contrast cylinder (3), covered with flexible material and stably coupled to the load-bearing frame (2), operatively connected with first motorization means (4) which rotate it around a first transverse axis (X_{1}) defined by the lower cylinder (3), an upper coating cylinder (5), provided with an engraved outer surface (5a) and stably coupled to the load-bearing frame (2), operatively connected with second motorization means (6) which rotate it around a second transverse axis (X_{2}) defined by the upper cylinder (5) which is superiorly facing and opposed to the lower cylinder (3) from which it is spaced apart to define a passage light (7) that receives one at a time spread flexible laminar surfaces (P) at least partly supported by the lower cylinder (3), and a transversal blade (8), coupled to the load-bearing frame (2), operatively connected with the upper cylinder (5), on the outer surface (5a) of which it distributes a film of liquid product (L) which the upper cylinder (5), while rotating around the second transverse axis (X_{2}), deposits by pressure, at the passage light (7), on the upper face (P_{s}) of the flexible laminar surfaces (P) advancing along a prefixed direction (F) and supported by the lower transport and contrast cylinder (3). In particular, the ratio (D_{1}/D_{2}) between the diameter (D_{1}) of the lower cylinder (3) and the diameter (D_{2}) of the upper cylinder (5) has a value comprised between 1.35 and 1.40 ($1.35 \leq D_{1}/D_{2} \leq 1.40$).

IPC 8 full level

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CPC (source: EP)

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Cited by

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