

Title (en)

Process and device for manufacturing varnish wires and varnish wires

Title (de)

Verfahren und Vorrichtung zur Herstellung von Backlackdrähten sowie Backlackdraht

Title (fr)

Procédé et dispositif de fabrication de fils vernis et fils vernis

Publication

EP 0822561 A3 19980923 (DE)

Application

EP 97401218 A 19970602

Priority

DE 19631298 A 19960802

Abstract (en)

[origin: EP0822561A2] In the production of a stoved enamel wire one or more electrical wire filaments (1) are coated in an insulating layer, drawn through a coating applicator (4) whose melting chamber (8) is fed with a meltable thermoplastic or thermosetting stoving material and then the wire with coating (67) is cooled. Process equipment includes the coating applicator (4) with a melting chamber for the stoving polymer, an inlet (9) for one or more electrical filaments (1), a coating chamber (12) and a calibrator (5) at the outlet. The claimed stove enamelled wire comprises one or more electrical wire filaments, an insulating layer and a stoved enamel layer (67) of a thermoplastic or thermoset material.

IPC 1-7

H01B 13/06

IPC 8 full level

B05C 5/04 (2006.01); **B05D 7/20** (2006.01); **H01B 13/06** (2006.01); **H01B 13/16** (2006.01)

CPC (source: EP KR)

H01B 13/00 (2013.01 - KR); **H01B 13/065** (2013.01 - EP)

Citation (search report)

- [X] US 4394417 A 19830719 - HILKER GEORGE D
- [A] EP 0009312 A1 19800402 - PHELPS DODGE IND INC [US]
- [A] GB 1263022 A 19720209 - BECK & CO A G [DE]
- [A] FR 2357041 A1 19780127 - MAILLEFER SA [CH]
- [X] DATABASE WPI Section Ch Week 8746, Derwent World Patents Index; Class A28, AN 87-325379, XP002071808

Cited by

CN109448930A; CN106205888A; CN112349462A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0822561 A2 19980204; **EP 0822561 A3 19980923**; **EP 0822561 B1 20020424**; AT E216800 T1 20020515; DE 19631298 A1 19980205; DE 59707091 D1 20020529; ES 2172754 T3 20021001; KR 100443394 B1 20040918; KR 19980018325 A 19980605

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