

Title (en)

METHOD FOR MAKING A WRITING OR COLOURING PENCIL BY TRIPLE EXTRUSION AND WRITING OR COLOURING PENCIL COMPRISING AN INTERMEDIATE PROTECTIVE LAYER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES STIFTES DURCH TRI-EXTRUSION UND STIFT MIT EINER SCHUTZSCHICHT

Title (fr)

PROCEDE DE FABRICATION PAR TRI-EXTRUSION D'UN CRAYON A ECRIRE OU A COLORIER ET CRAYON A ECRIRE OU A COLORIER COMPORTANT UNE COUCHE INTERMEDIAIRE DE PROTECTION

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Abstract (en)

[origin: WO0143987A1] The invention concerns a method for continuously making writing or colouring pencils which consists in: co-extruding a first filled thermoplastic material, called lead material, and around the latter an intermediate layer called protective layer in a thermoplastic material free of expanding agent and a second thermoplastic material containing an expanding agent, called wood material, and cooling said co-extruded thermoplastic materials. The invention is characterised in that the thermoplastic material forming the protective layer is selected so as to remain deformable while the lead material is removed, during the cooling process. The pencil (1) is formed by superposing a core (1) made of a first filled thermoplastic material called lead material, a non-expanded thermoplastic material protective layer (2) and a layer (3) made of a second expanded thermoplastic material called wood material. The invention is characterised in that the thermoplastic material forming the protective layer (2) has a freezing point lower than that of the thermoplastic material forming the lead material (1).

IPC 8 full level

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