

Title (en)
Method for manufacturing firelighter bodies

Title (de)
Verfahren zum Herstellen von Abbrandkörpern

Title (fr)
Procédé destiné à la fabrication de corps d'allume-feux

Publication
EP 2230291 A1 20100922 (DE)

Application
EP 10151323 A 20100121

Priority
AT 3742009 A 20090309

Abstract (en)
The method for producing burn-up bodies (5) from a wool strand (1) e.g. wool rope, which is soaked with paraffin in a wax bath (4) and from which the burn-up bodies are separated after a cooling, comprises immersing the wool strand winded to a roller (3) into the wax bath at a melting temperature of 50-65[deg] C, removing the wool strand from the wax bath after a predetermined retention period resulting from strength and humidity of the wool strand, cooling the wool strand and then unwinding the wool strand from the roller after solidification of the admitted wax. The method for producing burn-up bodies (5) from a wool strand (1) e.g. wool rope, which is soaked with paraffin in a wax bath (4) and from which the burn-up bodies are separated after a cooling, comprises immersing the wool strand winded to a roller (3) into the wax bath at a melting temperature of 50-65[deg] C, removing the wool strand from the wax bath after a predetermined retention period resulting from strength and humidity of the wool strand, cooling the wool strand and then unwinding the wool strand from the roller after solidification of the admitted wax, where the individual pieces having predetermined lengths are separated as burn-up bodies from the wool strand. The roller is cooled at 25-30[deg] C before winding and separating the individual pieces as burn-up bodies. Ten rollers are simultaneously and parallelly winded by the wool strand and are supplied to a common separation device, in which the individual pieces are separated as burn-up bodies from the wool strand. The wool strand is encased with a thread, strip, mesh or fabric before winding to the roller, where loose wool is initially guided through a press mold under simultaneous compression for the production or formation of the wool strand and then the wool strand leaving the press mold is encased with the thread, strip, mesh or fabric. An independent claim is included for a burn-up body.

Abstract (de)
Die Erfindung betrifft ein Verfahren zum Herstellen von Abbrandkörpern aus einem Holzwollestrang, insbesondere einem aus Holzwolle gefertigten Seil, das in einem Wachsbad mit Wachs, insbesondere Paraffin, getränkt wird und von dem nach einer Abkühlung in die Abbrandkörper abgetrennt werden, wobei der zu einer Rolle aufgewickelte Holzwollestrang in ein Wachsbad eingetaucht wird und nach einer vorbestimmten, sich vorzugsweise aus Stärke und Feuchtigkeit des Holzwollestrangs ergebenden Verweildauer aus einem Wachsbad entnommen, abgekühlt und der Holzwollestrang nach einem Erstarren des aufgenommenen Wachses von der Rolle abgewickelt wird und dass vom Holzwollestrang einzelne Stücke mit vorbestimmter Länge als Abbrandkörper abgetrennt werden.

IPC 8 full level
C10L 5/00 (2006.01); **C10L 11/04** (2006.01); **C10L 11/08** (2006.01); **C10L 5/36** (2006.01)

CPC (source: EP)
C10L 5/00 (2013.01); **C10L 5/361** (2013.01); **C10L 5/368** (2013.01); **C10L 11/04** (2013.01); **C10L 11/08** (2013.01)

Citation (applicant)
• EP 2006361 A1 20081224 - NIPPON OIL CORP [JP]
• EP 1375632 B1 20051019 - HAERLIN HUBERT [DE]
• CH 157291 A 19320930 - EGLI ALBERT [CH]
• EP 2014746 A2 20090114 - INTEX HANDELSGESELLSCHAFT M B [AT]
• DE 718470 C 19420312 - GEORG PIERING

Citation (search report)
• [XDAI] EP 1375632 A1 20040102 - HAERLIN NORBERT [DE]
• [XAI] EP 2014746 A2 20090114 - INTEX HANDELSGESELLSCHAFT M B [AT]
• [X] DE 718470 C 19420312 - GEORG PIERING
• [A] EP 1338640 A1 20030827 - LINDNER VERPACKUNGEN GMBH [CH]
• [A] DE 19906336 A1 20000824 - HUCK MANFRED GMBH CO KG [DE]

Cited by
GB2584302A; GB2584302B; US11643611B2

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