

Title (en)  
PROCESS AND INSTALLATION FOR HEAT TREATMENT OF TEXTILE THREADS

Publication  
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Application  
**EP 88902493 A 19880302**

Priority  
FR 8703222 A 19870306

Abstract (en)  
[origin: WO8806653A1] An installation comprises a steaming chamber (10), a first, upstream cold chamber (11) and a second, downstream cold chamber (12). The length of the upstream chamber (11) is at least equal to that of the downstream chamber (12). The upstream and downstream chambers are connected by a pressure-equalized pipe (33). A fan (29) extracts the steam at the top of the steaming chamber and reinjects it, after reheating by a heating element (32), into a perforated steaming box (31) from which jets of steam issue below the conveyor carpet (15) which is also perforated. The upstream cold chamber and the steaming chamber may have means for creating a temperature gradient upstream and downstream to prevent the threads from being subjected to a thermal shock during their passage through the steaming chamber (10).

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**D06B 17/00; D06B 23/16**

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