

Title (en)

MICROWAVE PROCESSING OF COMPRESSED WOOL FIBER MASS

Title (de)

VERARBEITUNG VON ZUSAMMENGEPRESSTER WOLLFASERMASSE MIT HILFE VON MIKROWELLEN

Title (fr)

TRAITEMENT PAR MICRO-ONDES D'UNE MASSE DE FIBRES DE LAINE COMPRIMEES

Publication

**EP 1053359 A4 20001122 (EN)**

Application

**EP 97944635 A 19971013**

Priority

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- AU PO791997 A 19970716

Abstract (en)

[origin: WO9904068A1] Compressed wool fiber mass, e.g. wool bales (26) containing raw wool fleeces, is subjected to microwave radiation (20) (typically with power levels in the range of 3 kW to 100 kW). The controlled heating process typically achieves temperatures in the range 30 DEG C to 50 DEG C. This avoids deleterious effects of the wool fiber and achieves generally uniform relaxation effect in the wool fibers. It causes a large expansion of the wool mass after release of the mass from the bale, whereby subsequent conventional scouring process may be implemented in a beneficial manner.

IPC 1-7

**D01B 9/00**; **D01B 3/04**; **D01C 3/00**; **D06M 10/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [YA] EP 0371334 A2 19900606 - DOEVEN SPECK HEINZ [DE], et al
- [YA] EP 0375629 A1 19900627 - POLLI EDOARDO
- [A] WO 9602690 A1 19960201 - AKTSIONERNOYE OBSHCHESTVO KRIOG [RU], et al
- See references of WO 9904068A1

Designated contracting state (EPC)

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