

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

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Application

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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.

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