

Title (en)  
Animal fibre processing.

Title (de)  
Behandlungsverfahren von tierischen Fasern.

Title (fr)  
Procédé de traitement des fibres animales.

Publication  
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Application  
**EP 91311366 A 19911206**

Priority  
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Abstract (en)  
The invention provides an apparatus for processing wool and a corresponding solvent process utilizing the apparatus. The apparatus includes an inlet (2) for the admission of raw (greasy) wool, and a first bowl (3) to which wool is first admitted. Wool in first bowl (3) is wet, as by solvent spray from nozzle (11) and falls into a solvent bath (13). An endless belt (5) transports wool through solvent bath (13) in bowl (3). A co-flow of solvent through nozzle (14) is utilized to ensure that wool disposed on belt (5) travels at the same speed as the belt (5). A pressurized spray from shower device (7) is directed to wool on belt (5) to cleanse same. Wool treated in first bowl (3) is carried on an elevated portion of belt (5) where it is subjected to a cascade of solvent from weir (8). Wool is carried out of bowl (3) into bowl (4) by falling from the upper extremity of belt (5) in the vicinity of roller (17). This wool is then carried by endless belt (6) for a second cleansing treatment. Co-flow of solvent is introduced into bowl (4) through nozzle (15). A shower of solvent is provided through shower device (9). Endless belt (6) has an elevated portion between rollers (18) and (19). Wool carried on this elevated portion of belt (6) is treated to a cascade of pure solvent from weir (10). Wool is carried from bowl (4) to a centrifuge for drying. <IMAGE>

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Citation (search report)  
• [Y] US 3393537 A 19680723 - MALCOLM CHAIKIN, et al  
• [Y] US 2975625 A 19610321 - SVEN-OLOF LUNDGREN  
• [Y] FR 1233584 A 19601012 - SEPARATOR AB  
• [A] US 3693382 A 19720926 - GRANTHAM FREDERICK W

Cited by  
EP0891432A4; CN104328508A; FR2744140A1; BE1011672A3

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