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222078 48-02078

REMOVING OF BARK FINES FROM AQUEOUS SUSPENSIONS

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U.S. pat. 4,014,788. Issued March 29, 1977. 10 claims. 4 p. Cl.210/42R.

Filed: U.S. appln. 576,079 (May 9, 1975).

Document Type: PATENT

Languages: ENGLISH

This invention relates to the hydraulic barking of logs, in which the bark is flushed away from the logs with water to form an aq. suspension of bark fines. According to the invention, the fines are separated from the suspension by filtration with a rotary vacuum filter. Diatomite is supplied to the surface of the drum as filtration aid, and a rotating blade means is used to remove the layer of bark fines which is deposited on the surface of the filter aid layer. ~~Platy talc particles~~ are added to the suspension prior to the filtration.

Descriptors: ADDITIVES; BARK; BARKING; BLADES; DIATOMACEOUS EARTH; FILTER AIDS; FILTERS; FILTRATION; FINES; HYDRAULIC EQUIPMENT; LOGS; PLANT TISSUES; REMOVAL; ROTARY MACHINES; SEPARATION; SEPARATORS; TALC; UNITED STATES; VACUUM FILTERS; WATER