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(54) Abstract Title: Arrangement for recognising undesirable particles in textile fibre material

(57) A device for identifying undesirable particles such as trash, neps, husk neps or burls in textile fibre material comprises a combing device 39, 40 for a fibre sliver length (14, Figure 3) to produce a pair of tufts each having an open end (14a, 14b), one in the working direction and one in a direction opposite to the working direction, an undesirable particle recognition device, and a comparison device. Measured values of undesirable particles obtained at both tufts are compared and values obtained are used to optimise setting of parameters and/or structural elements of fibre processing machinery. Preferably the recognition device is optoelectronic (e.g. a camera). The length of sliver may be detached by clamping device 34, lowered to comb 38 where ends (14a, 14b) are combed by rollers 39, 40. The combed length may then be lowered to measuring device 24 where the tufts are measured in turn by camera 53 and illumination device 54.

Fig. 2

