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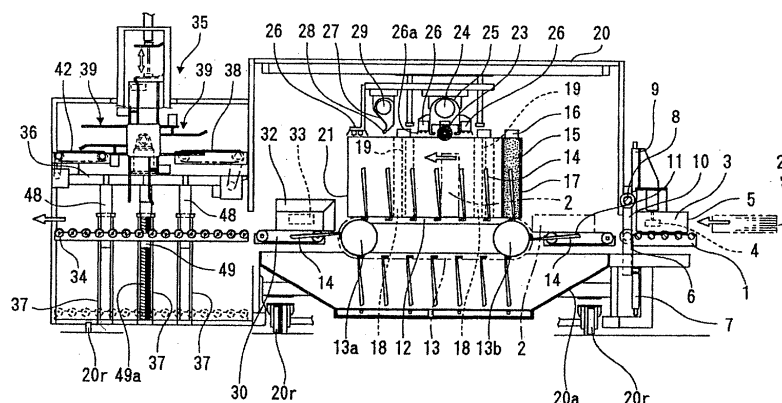
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(54) Paper dust removing apparatus for corrugated paperboards

(57) A paper dust removing apparatus for corrugated paperboards includes a supply conveyer (1) for a block (2) composed of corrugated paperboards, stoppers (6) for the block (2) projecting above and retracting below the surface of the supply conveyer, a paper dust removing brush roll (8) supported to rotate and move up and down in contact with the front surface of the block (2), a first belt conveyer (11), a reversing transfer conveyer (12) coming into contact with the block (2) in a laterally stacked state from the lower surface thereof and having a multiplicity of transfer blades (14) standing in a peripheral direction for scooping up the block (2), paper dust removing brush rolls (15, 23) rotating and coming into contact with

the upper surface and both the side surfaces of the block being transferred in a vertical attitude by the reversing transfer conveyer (12), air ejection nozzles (19), sterilization lamps (26), a second belt conveyer (30) for receiving the block (2) made to the horizontally laterally stacked state again by being supported by the transfer blades (14) of the reversing transfer conveyer (12) at the trailing end thereof, a discharge conveyer (34), and a casing (20) having air suction units therein for entirely covering from the positions of the stoppers (6) of the supply conveyer (1) to the discharge conveyer (34). With this arrangement, the conventional paper dust removing apparatus for corrugated paperboards is more improved to thereby enhance the efficiency thereof and reduce its size.

Fig. 1





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 8166

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 17 November 2006	Examiner Hamel, Pascal
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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