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(54) Air curtain housing for conveyor mechanism.

(5) An air curtain conveyor protection system that prevents airborne particles from entering a slot (28) through which the product support members (18) extend from the conveyor mechanism housing (25) into the product treatment booth (10). A continuous stream or curtain of high velocity air flows across the slot in the conveyor housing, exiting from an outlet or supply nozzle (45) formed by a plenum (35) on one side of the slot and entering into a suction nozzle (46) formed on the opposite side of the slot by a second plenum (36). A fan or blower (50) is associated with each plenum to force ambient air through the supply nozzle and to draw air through the suction nozzle. Ambient air flowing between the nozzles forms an air curtain across the slot to prevent ingress of the deleterious atmosphere in the product treatment booth into the conveyor housing.

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EUROPEAN SEARCH REPORT

Application number

EP 86 31 0210

	DOCUMENTS CONS	IDERED TO BE	RELEVANT			
Category	Citation of document with of relev	n indication, where appr ant passages	opriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
Y	FR-A-2 212 765 (* Whole document	S.G.E.) *	19		B 05 B 15/12 B 05 B 13/02 F 24 F 9/00 F 27 B 9/24	
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					F 27 B F 27 D	
	The present search report has b	een drawn up for all clai	ms			
Place of search Date of comple		Date of completic 12-10-19	on of the search	JUGUE	Examiner TJ.M.	
Y:p d A:to O:n	CATEGORY OF CITED DOCL particularly relevant if taken alone particularly relevant if combined w locument of the same category echnological background ion-written disclosure 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 			