

Title (en)

DEVICE FOR UNSTACKING A PILE OF FLAT OBJECTS, ESPECIALLY PRINTING PRODUCTS

Title (de)

VORRICHTUNG ZUM ABBAUEN EINES STAPELS VON FLÄCHIGEN GEGENSTÄNDEN, INSBESONDERE DRUCKEREIERZEUGNISSEN

Title (fr)

DISPOSITIF PERMETTANT DE DESASSEMBLER UNE PILE D'OBJETS PLATS, EN PARTICULIER DE PRODUITS D'IMPRIMERIE

Publication

EP 1149036 B1 20040211 (DE)

Application

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Priority

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- CH 22799 A 19990205

Abstract (en)

[origin: US6364307B2] An apparatus for feeding sheet-like articles, such as newspapers, periodicals, and inserts therefor, from a vertical stack of the articles. The stack is supported on a fixed rest 3, and a sucker arrangement 24 and a pushing away unit 38 are mounted on a load bearing structure 44 which is supported so as to float with the height of the stack. The sucker arrangement 24 includes a pair of suction heads 25 which are mounted for movement between a lowered extended position and a raised retracted position, and the suction heads have suction openings 25a which are permanently connected to a source of negative pressure. In operation, the suction heads 25 engage the uppermost one of the articles in the stack, which closes the suction openings 25a and causes the suction heads and uppermost article to be lifted. The pushing away unit 38 then engages and laterally moves the article away from the suction heads. The suction openings 25a are thereby opened and the heads are then biased to their extended positions in engagement with the next article in the stack. The sequence is then repeated.

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B65H 3/08

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