

Title (en)  
INSTALLATION AND METHOD FOR THE AUTOMATIC FEEDING OF FILLED CANS AND THE AUTOMATIC EVACUATION OF EMPTY CANS IN A SPINNING MACHINE

Publication  
**EP 0220200 B1 19880824 (DE)**

Application  
**EP 86901324 A 19860306**

Priority  
CH 182985 A 19850430

Abstract (en)  
[origin: WO8606358A1] By means of a horizontal conveyer (20), a feeding device (24) cooperates with spinning stations (41-4n) arranged along a spinning machine (21-23). The transport carriage (22) is provided with free arms (26, 28, 50) of which the first arm is used for removing and setting in place a filled can (V) and of which the second arm is used for removing and setting in place an empty can (L). The third arm (50) is used to move standing cans (E). The spinning stations (41-4n) comprise instruction emitters (421-428-42n) which inform the feeding device (24) to let the transport carriage (22) go. The latter comprises a first control (28) for the automatic running and a second control (30) for the automatic removal and setting in place of cans.

IPC 1-7  
**B65H 67/02**

IPC 8 full level  
**B65H 67/02** (2006.01); **B65H 67/04** (2006.01); **B65H 67/06** (2006.01); **D01H 9/00** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP US)  
**D01H 9/008** (2013.01 - EP US); **D01H 9/185** (2013.01 - EP US)

Cited by  
US4939895A; US4972669A; DE3831638A1; US4998406A; GB2248245A; US5244160A; GB2248245B

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8606358 A1 19861106**; AT E36690 T1 19880915; DE 3660586 D1 19880929; EP 0220200 A1 19870506; EP 0220200 B1 19880824; HK 5991 A 19910125; JP H0436995 B2 19920617; JP S62501066 A 19870430; SG 33890 G 19901026; US 4735040 A 19880405

DOCDB simple family (application)  
**CH 8600030 W 19860306**; AT 86901324 T 19860306; DE 3660586 T 19860306; EP 86901324 A 19860306; HK 5991 A 19910117; JP 50134486 A 19860306; SG 33890 A 19900514; US 1027586 A 19861230