

Title (en)  
LOOM

Publication  
**EP 0116292 B1 19870304 (DE)**

Application  
**EP 84100267 A 19840112**

Priority  
CH 25083 A 19830118

Abstract (en)  
[origin: ES8502490A1] In the weaving machine warp threads (24) are guided from a warp let-off apparatus (2) via a shedding apparatus (6) to a fabric take-up apparatus (4). The weaving machine contains a main drive (8) at which are connected a weaving reed (14) and a filling thread inserting element (16). In addition, an auxiliary drive shaft (46) is connected at the main drive (8), which auxiliary drive shaft (46) drives the warp let-off apparatus (2), the fabric take-up apparatus (4) and the shedding apparatus (6). A common drive shaft (66) of the warp let-off apparatus (2) and of the fabric take-up apparatus (4) is connected with the auxiliary drive shaft (46) via a reversing gear unit (10). The reversing gear unit (10) is constructed as a superimposed gear unit and contains an auxiliary motor (90) in order to superimpose a reverse rotational movement of the warp let-off apparatus (2) and the fabric take-up apparatus (4). An electronic control apparatus (12), which is connected with the shedding apparatus (6) and the reversing gear unit (10), makes it possible to reverse the weaving program when the weaving machine is running forward.

IPC 1-7  
**D03D 51/00**; **D03C 3/28**

IPC 8 full level  
**D03C 1/08** (2006.01); **D03C 3/28** (2006.01); **D03C 13/00** (2006.01); **D03D 49/20** (2006.01); **D03D 51/00** (2006.01); **D03D 51/08** (2006.01)

CPC (source: EP US)  
**D03C 3/28** (2013.01 - EP US); **D03D 51/002** (2013.01 - EP US)

Cited by  
DE3642913A1; EP1158081A1; EP0184779A3; DE3436165A1; US4669510A; WO8604365A1

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

DOCDB simple family (publication)  
**EP 0116292 A2 19840822**; **EP 0116292 A3 19841017**; **EP 0116292 B1 19870304**; AT E25714 T1 19870315; BR 8400193 A 19840821; DD 214156 A5 19841003; DE 3311670 A1 19840726; DE 3311670 C2 19860522; DE 3462522 D1 19870409; ES 528927 A0 19850116; ES 8502490 A1 19850116; JP S59137545 A 19840807; JP S6411739 B2 19890227; US 4657051 A 19870414

DOCDB simple family (application)  
**EP 84100267 A 19840112**; AT 84100267 T 19840112; BR 8400193 A 19840117; DD 25941784 A 19840116; DE 3311670 A 19830330; DE 3462522 T 19840112; ES 528927 A 19840117; JP 699684 A 19840118; US 57145084 A 19840117