

Title (en)  
DOUBLE CYLINDER UNIT.

Title (de)  
DOPPELZYLINDEREINHEIT.

Title (fr)  
UNITE DE CYLINDRE DOUBLE.

Publication  
**EP 0077837 A4 19840706 (EN)**

Application  
**EP 82901367 A 19820506**

Priority  
JP 6699981 A 19810506

Abstract (en)  
[origin: WO8203896A1] Double cylinder unit in which a rod-shaped piston rod (22) having first and second pressure bearing surfaces is laterally slidably provided in a single cylinder box (10) to impart an actuation to a driven unit, and a rod-shaped piston rod (34) having a third pressure bearing surface substantially equal to and opposing the second pressure bearing surface of the piston rod (22) and a fourth pressure bearing surface smaller than the area of the third pressure bearing surface is mounted on the piston rod of the second pressure bearing surface side of the piston rod (22), thereby controlling the hydraulic pressure acting on the first to fourth pressure bearing surfaces to provide a double action with the rods (22) and (34).

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**F15B 15/24**; **F15B 15/14**

IPC 8 full level  
**F15B 11/12** (2006.01); **F15B 15/14** (2006.01); **F15B 15/24** (2006.01)

CPC (source: EP)  
**F15B 11/123** (2013.01); **F15B 15/24** (2013.01)

Citation (search report)  
• [X] DE 2658393 A1 19780629 - VOLKSWAGENWERK AG  
• [X] FR 999277 A 19520129  
• [X] FR 1124969 A 19561022 - ROLLS ROYCE

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GB2242231A; EP1323929A1; EP3130810A4; DE3308928A1; EP1582759A1; US7370745B2

Designated contracting state (EPC)  
DE FR GB

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