

Title (en)  
RING SPINNING, RING DOUBLING AND RING TWISTING FRAMES

Publication  
**EP 0389117 A3 19910424 (EN)**

Application  
**EP 90302056 A 19900227**

Priority  
GB 8906714 A 19890323

Abstract (en)  
[origin: EP0389117A2] A textile machine of the ring spinning, ring doubling and ring twisting type having a switched reluctance spindle drive motor (18) and set up to operate with a variable speed spindle (10) and optionally with variable speed delivery rollers (25) to wind yarn (22) onto a package former (20) in the form of a cop. A global control system (50) is provided to instruct the local unit (16) of the switched reluctance drive motor (18) and possibly also control units (52) of the delivery rollers (25).

IPC 1-7  
**D01H 1/244**; **D01H 1/34**

IPC 8 full level  
**D01H 1/244** (2006.01); **D01H 1/34** (2006.01); **D01H 1/36** (2006.01)

CPC (source: EP)  
**D01H 1/244** (2013.01); **D01H 1/34** (2013.01)

Citation (search report)  
• [A] GB 2044302 A 19801015 - ZINSER TEXTILMASCHINEN GMBH  
• [A] FR 2542767 A1 19840921 - ZINSER TEXTILMASCHINEN GMBH [DE]  
• [A] DE 3717749 A1 19881215 - ZUBLER GERAETEBAU [DE]  
• [A] ENGINEERING, vol. 223, no. 4, April 1983, pages 271-273, London, GB; B. RAY: "Iron meets silicon in new motor"

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WO9705310A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0389117 A2 19900926**; **EP 0389117 A3 19910424**; GB 2229458 A 19900926; GB 8906714 D0 19890510; JP H02269813 A 19901105

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