

Title (en)  
TEXTILE WINDING MACHINE CRADLE

Publication  
**EP 0139485 A3 19850605 (EN)**

Application  
**EP 84306489 A 19840924**

Priority  
GB 8325908 A 19830928

Abstract (en)  
[origin: EP0139485A2] A textile winding machine cradle (21) is disclosed which permits of the discharge of full yarn packages (18) through the pivot axis (22) thereof onto a conveyor (38). The spaced cradle arms (28, 29) are pivotally mounted in respective support structures (222) and extend forwardly from the ends of a U-shaped bridge-piece (23) through which a progressively varying loading is applied to the yarn package during build-up by piston and cylinder means (24).

IPC 1-7  
**B65H 54/547**; **B65H 54/52**

IPC 8 full level  
**B65H 54/52** (2006.01); **B65H 54/553** (2006.01)

CPC (source: EP)  
**B65H 54/52** (2013.01); **B65H 54/553** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- EP 0057525 A1 19820811 - TORAY INDUSTRIES [JP]
- FR 2302950 A1 19761001 - COGNETEX SPA [IT]
- GB 2001362 A 19790131 - ISHIKAWA SEISAKUSHO KK
- GB 1320978 A 19730620 - SANT ANDREA NOVARA OFFICINE
- FR 2141481 A2 19730126 - LOGAN INC JONATHAN
- DE 1510392 A1 19700702 - REITER MICHAEL
- FR 1519242 A 19680329 - SCRAGG & SONS
- FR 2098134 A5 19720303 - ASAHI CHEMICAL IND

Cited by  
DE102004049727A1

Designated contracting state (EPC)  
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**EP 0139485 A2 19850502**; **EP 0139485 A3 19850605**; GB 2147326 A 19850509; GB 8325908 D0 19831102; GB 8423732 D0 19841024

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