

Title (en)  
SPIRAL CYLINDRICAL WING TIP

Title (de)  
ZYLINDRISCHE UND SPIRALFÖRMIGE FLÜGELRANDKAPPE

Title (fr)  
BOUT D'AILE CYLINDRIQUE ET EN SPIRALE

Publication  
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Application  
**EP 99929388 A 19990702**

Priority  
• FR 9901603 W 19990702  
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Abstract (en)  
[origin: FR2780700A1] The invention concerns a device in the form of a spiral cylindrical cavity, mobile or fixed, capable of being adapted to the tip of all carrier profiles, in particular to aeroplanes and gliders or craft requiring lifting capacity in its displacement, for reducing induced drag, increasing thrust and reaching in flight or lift, low speed levels with wide angles of incidence and high speed levels in cruising degree. The invention enables to use for similar performances or for initial performances weaker traction systems for longer and faster flights using less fuel and/or using larger loads. Moreover, said device enables to considerably and artificially increase a wing extension while preserving the same profile and the initial aerodynamics of an aeroplane in flight or of a levitating craft using lifting capacity up to subsonic speed.

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**B64C 23/06**

IPC 8 full level  
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