

Title (en)

Method and apparatus for recycling cores

Title (de)

Verfahren und Vorrichtung zur Wiederverwertung von Wickelkernen

Title (fr)

Procédé et appareil de recyclage de noyaux d'enroulement

Publication

**EP 0755893 A3 19980624 (EN)**

Application

**EP 96305538 A 19960729**

Priority

US 161695 P 19950728

Abstract (en)

[origin: EP0755893A2] Winding cores for the paper industry are restored by removing the metal tips from the ends of the core, trimming the core to eliminate the crimped end portions of the core, providing complementary male and female joint ends to the core, grinding the outer surface of the core to a constant outer diameter less than the industry standard outer diameter to accommodate a finishing layer. The cores with the complementary joints are pressed end to end to form a core master prior to its being ground and then picking up the core masters one by one and bringing them into proximity of a web of liner board material having a length which corresponds to the length of the core master and a width which corresponds to the circumference of the core, contacting the glue bearing liner board web with the core and rotating the core to wrap the web of liner board about the core to provide a finished restored core. The core master is then cut into suitable length winding cores. <IMAGE>

IPC 1-7

**B65H 75/50**

IPC 8 full level

**B65H 75/50** (2006.01)

CPC (source: EP)

**B65H 75/50** (2013.01)

Citation (search report)

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- [A] DE 4218113 C1 19930603
- [A] WO 9419271 A1 19940901 - JOHANSSON UNO [SE]
- [A] WO 9514631 A1 19950601 - BERGSLAGSTEKNIK AB [SE], et al
- [A] DE 4209224 A1 19930923 - ZANDERS FEINPAPIERE AG [DE]
- [A] US 5005274 A 19910409 - TIMELL HANS [SE]

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WO03004393A1; WO2004087551A1; WO2006048496A1; US6706133B1; WO0003868A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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