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(71) Applicant: **Oy Core Handling Ltd**
53850 Lappeenranta (FI)

(72) Inventor: **ÄMTÖ, Pekka**
FI-49420, Hamina (FI)

(74) Representative: **Langenskiöld, Tord Karl Walter**
Oy Jalo Ant-Wuorinen Ab,
Iso-Roobertinkatu 4-6 A
00120 Helsinki (FI)

(54) **Abutment joint for paper reel cores**

(57) An abutment joint for end-to-end joining of paper reel cores, the abutment joint comprising a first conical surface (4) formed on the outer surface of one core (2) and a second conical surface (3) formed on the inner surface of the other core (1), whereby said first conical surface and said second conical surface abut against

each other in the joint, wherein at least one protrusion (6) is formed at least on one conical surface and at least one groove (5) is formed at least on the other conical surface to form an interlocking joint between the cores.

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EUROPEAN SEARCH REPORT

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EP 05 39 7026

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 03/004393 A (CORE LINK AB; JOHANSSON, KJELL; LJUNGEK, GOERAN) 16 January 2003 (2003-01-16) * page 2, line 12 - line 20 * * page 5, line 18 - line 29; figure 30 * -----	1-4	INV. B65H75/50
X	US 6 102 327 A (RIPPLINGER ET AL) 15 August 2000 (2000-08-15) * column 13, line 4 - line 12 * * column 15, line 2 - line 3 * * column 16, line 29 - line 34; figure 15 * -----	1-4	
A	WO 94/19271 A (JOHANSSON, UNO) 1 September 1994 (1994-09-01) * figures 1,2 * -----	1,4	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 June 2006	Examiner Lemmen, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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