

Title (en)  
YANKEE CYLINDER FOR PAPER PRODUCTION

Title (de)  
YANKEE-ZYLINDER FÜR DIE PAPIERHERSTELLUNG

Title (fr)  
CYLINDRE YANKEE POUR LA PRODUCTION DE PAPIER

Publication  
**EP 4286582 A1 20231206 (EN)**

Application  
**EP 23020259 A 20230529**

Priority  
IT 202200011747 A 20220603

Abstract (en)  
Yankee (1) for paper production consisting of a body comprising a metal mantle (2) with circular cross-section and two side heads (3) on which are formed or mounted two respective coaxial pins (4) arranged along a rotation axis (x-x) of the Yankee, said body being configured to rotate with a predetermined angular speed around said rotation axis (x-x). Inside said body is arranged a fixed electromagnetic induction heating system comprising one or more inductors (H; HN) interacting electromagnetically with the mantle (2) to produce induced electric currents in the same mantle, said one or more inductors (H; HN) being arranged in proximity of the radially innermost surface of the mantle (2).

IPC 8 full level  
**D21F 5/02** (2006.01); **D21F 5/18** (2006.01)

CPC (source: EP)  
**D21F 5/024** (2013.01); **D21F 5/181** (2013.01)

Citation (search report)  
• [A] US 2010206505 A1 20100819 - CLARAHAN DAN [US], et al  
• [A] DE 20217966 U1 20040401 - KUESTERS EDUARD MASCHF [DE]  
• [A] EP 0277905 A2 19880810 - BELOIT CORP [US]

Citation (third parties)  
Third party : Anonymous  
• GB 949484 A 19640212 - ESCHER WYSS GMBH  
• EP 0067786 A2 19821222 - BELOIT CORP [US]  
• US 2273423 A 19420217 - SOMES HOWARD E  
• "High Frequency Induction Heating, First Edition", 1 January 1944, article FRANK W. CURTIS: "High Frequency Induction Heating", pages: 1 - 64, XP093166386  
• STANLEY ZINN: "Coil design and Fabrication: basic design and modifications", HEAT TREATING, 1 June 1988 (1988-06-01), pages 32 - 41, XP093166373

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4286582 A1 20231206**; IT 202200011747 A1 20231203

DOCDB simple family (application)  
**EP 23020259 A 20230529**; IT 202200011747 A 20220603