



US 20220386421A1

(19) **United States**(12) **Patent Application Publication**
PETRELLI(10) **Pub. No.: US 2022/0386421 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **HEATING DEVICE FOR CALENDER CYLINDERS****Publication Classification**(71) Applicant: **PHT - PETRELLI HEATING TECHNOLOGIES S.R.L.**, Rozzano (IT)(72) Inventor: **Patrizio PETRELLI**, Varese (IT)(73) Assignee: **PHT - PETRELLI HEATING TECHNOLOGIES S.R.L.**, Rozzano (IT)(21) Appl. No.: **17/824,100**(22) Filed: **May 25, 2022**(30) **Foreign Application Priority Data**

May 25, 2021 (IT) 102021000013475

(51) **Int. Cl.****H05B 3/46** (2006.01)**H05B 3/00** (2006.01)(52) **U.S. Cl.**CPC **H05B 3/46** (2013.01); **H05B 3/0095** (2013.01); **H05B 2203/007** (2013.01)

(57)

ABSTRACT

A heating device for calender cylinders, comprising a core cylinder arranged coaxially in a cylinder adapted to support a plurality of heating elements; the core cylinder and the cylinder adapted to support the heating elements are configured to be accommodated in a fixed manner within a rotating calender cylinder; the core cylinder has an inlet for the passage of air which is adapted to make air flow and gather inside the core cylinder.

