

Title (en)  
WIDTH AND SPEED CONTROL FOR SHEET METAL DESCALER AND METHODS OF USING SAME

Title (de)  
BREITEN- UND GESCHWINDIGKEITSREGELUNG FÜR BLECHENTZUNDERER UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)  
COMMANDE DE LARGEUR ET DE VITESSE POUR DÉCALAMINEUSE DE TÔLE MÉTALLIQUE ET PROCÉDÉS FAISANT APPEL À CELLE-CI

Publication  
**EP 3551354 A4 20200401 (EN)**

Application  
**EP 18842696 A 20180219**

Priority  
US 2018018621 W 20180219

Abstract (en)  
[origin: WO2019160563A1] A control for a sheet metal processing line with a descaler includes sensors that adjust the spray blast pattern produced by impellers and the sheet advancement rate during descaling. The control may position a nozzle of the impeller so when a surface condition of the edge of the sheet is more favorable than that of the center of the sheet, the impeller spray concentration moves toward the center, and when a surface condition of the center of the sheet is more favorable than that of a respective edge of the sheet, the impeller spray concentration moves away from the center of the sheet. The control may raise the sheet advancement rate when the surface condition of the center of the sheet is more favorable than a standard, and lower the sheet advancement rate when a surface condition of the center of the sheet is less favorable than a standard.

IPC 8 full level  
**B21B 45/04** (2006.01); **B21B 45/06** (2006.01); **B24C 1/08** (2006.01); **B24C 3/14** (2006.01); **B24C 5/04** (2006.01); **B24C 5/06** (2006.01); **G01J 4/00** (2006.01)

CPC (source: EP)  
**B21B 45/06** (2013.01); **B24C 1/086** (2013.01); **B24C 3/06** (2013.01); **B24C 3/08** (2013.01); **B24C 3/14** (2013.01); **B24C 5/06** (2013.01)

Citation (search report)

- [AD] US 8066549 B2 20111129 - VOGES KEVIN C [US], et al
- [A] US 2009002686 A1 20090101 - VOGES KEVIN C [US], et al
- [A] US 2016107214 A1 20160421 - CLARK MICHAEL TREVOR [GB], et al
- See references of WO 2019160563A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2019160563 A1 20190822**; EP 3551354 A1 20191016; EP 3551354 A4 20200401; EP 3551354 B1 20210908; ES 2890999 T3 20220125; ES 2890999 T8 20220202; JP 2021514303 A 20210610

DOCDB simple family (application)  
**US 2018018621 W 20180219**; EP 18842696 A 20180219; ES 18842696 T 20180219; JP 2019503650 A 20180219