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(12) **United States Design Patent** (10) **Patent No.:** **US D803,897 S**  
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(54) **TIP FOR A GROUND ENGAGING MACHINE IMPLEMENT**

3,019,537 A 2/1962 Stephenson  
3,079,710 A 3/1963 Larsen et al.  
3,312,004 A 4/1967 Johnson  
3,623,247 A 11/1971 Stepe  
3,774,324 A 11/1973 Lafond  
3,823,496 A 7/1974 Querci et al.  
3,832,077 A 8/1974 Von Mehren  
4,027,408 A 6/1977 Ramella et al.

(Continued)

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FOREIGN PATENT DOCUMENTS

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CL 2068-1995 10/1996  
CL 391-1998 11/1998

(\*\*) Term: **15 Years**

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OTHER PUBLICATIONS

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Caterpillar Inc., Cat® K Series™ Tooth Systems, brochure (4 pages), 2006.

(51) **LOC (10) Cl.** ..... **15-03**

(52) **U.S. Cl.**

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(58) **Field of Classification Search**

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37/454, 449, 453, 455, 903; 403/379.5,  
403/DIG. 1; 111/152; 172/724, 730,  
172/766, 770, 771, 721, 713, 699, 772

CPC ..... Y10T 29/49826; Y10T 403/589; Y10T  
403/7018; Y10T 403/7075; E02F 9/28;  
E02F 9/2825; E02F 9/2833; E02F 9/2866;  
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See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a tip for a ground engaging machine implement, as shown and described.

**DESCRIPTION**

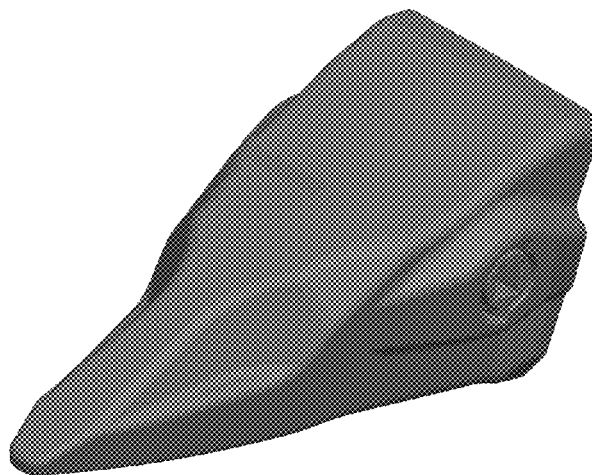
(56) **References Cited**

U.S. PATENT DOCUMENTS

1,220,186 A 3/1917 Chambers  
1,384,701 A 7/1921 McMonegal  
1,571,782 A 2/1926 Andrews  
1,856,930 A 5/1932 Robin  
2,256,488 A 9/1941 Murtaugh  
2,427,651 A 9/1947 Baer  
D182,143 S 2/1958 Petersen  
2,982,035 A 5/1961 Stephenson

FIG. 1 is a front perspective view of a tip for a ground engaging machine implement showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a right side view thereof; FIG. 6 is a top view thereof; and, FIG. 7 is a bottom view thereof. Grayscale shading represents contour.

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D251,431 S 3/1979 Klett et al.  
 D252,461 S 7/1979 Korpi  
 4,182,057 A 1/1980 Klett et al.  
 D255,119 S 5/1980 Korpi  
 4,231,173 A 11/1980 Davis  
 D275,859 S 10/1984 Nilsson  
 4,481,728 A 11/1984 Mulder et al.  
 4,516,340 A 5/1985 Launder  
 D296,442 S 6/1988 Broomhall  
 4,761,900 A 8/1988 Emrich  
 4,776,113 A 10/1988 Bedford et al.  
 4,848,013 A 7/1989 Bowman et al.  
 4,932,145 A 6/1990 Reeves  
 4,949,481 A 8/1990 Fellner  
 4,965,945 A 10/1990 Emrich  
 4,980,980 A 1/1991 Schadov et al.  
 5,018,283 A 5/1991 Fellner  
 5,144,762 A 9/1992 Robinson  
 D336,476 S 6/1993 Garman  
 D339,592 S 9/1993 Johansson  
 D345,364 S 3/1994 Robinson  
 D352,044 S 11/1994 Hahn  
 5,423,138 A 6/1995 Livesay et al.  
 D365,577 S 12/1995 Ruvang  
 5,561,925 A 10/1996 Livesay  
 D385,286 S 10/1997 Moreno  
 5,709,043 A 1/1998 Jones et al.  
 D391,583 S 3/1998 Moreno  
 D392,292 S 3/1998 Moreno  
 D395,661 S 6/1998 Moreno  
 5,806,216 A 9/1998 Renski  
 D399,511 S 10/1998 Launder et al.  
 5,852,888 A 12/1998 Cornelius  
 D408,422 S 4/1999 Moreno  
 D410,657 S 6/1999 Launder et al.  
 D413,338 S 8/1999 Pueyo Molina  
 5,937,550 A 8/1999 Emrich  
 D414,193 S \* 9/1999 Launder ..... D15/29  
 D415,173 S 10/1999 Zaub  
 5,983,534 A 11/1999 Robinson et al.  
 D417,877 S 12/1999 Launder et al.  
 6,032,390 A 3/2000 Bierwith  
 D429,256 S 8/2000 Zaub  
 D429,258 S 8/2000 Zaub  
 6,321,471 B2 11/2001 Fernandez Munóz et al.  
 D454,891 S 3/2002 Ketting et al.  
 H2020 H 5/2002 Kesavan et al.  
 D460,464 S 7/2002 Ketting et al.  
 D461,198 S 8/2002 Ketting et al.  
 D461,832 S 8/2002 Ketting et al.  
 6,477,796 B1 11/2002 Cornelius  
 6,735,890 B2 5/2004 Carpenter et al.  
 6,745,503 B1 6/2004 Moreno et al.  
 6,766,602 B2 7/2004 Cox et al.  
 D499,749 S 12/2004 Launder et al.  
 6,836,983 B2 1/2005 Moreno et al.  
 6,865,828 B1 3/2005 Molino et al.  
 6,871,426 B2 3/2005 Keech et al.  
 D505,137 S 5/2005 Steinlage et al.  
 D512,078 S 11/2005 Poutre  
 D527,029 S 8/2006 Launder et al.  
 7,100,315 B2 9/2006 Carpenter et al.  
 7,168,193 B2 1/2007 Moreno et al.  
 D552,632 S 10/2007 De Martiis  
 D560,232 S 1/2008 De Martiis  
 7,367,144 B2 5/2008 Jones et al.  
 D614,206 S 4/2010 Ruvang  
 7,739,814 B2 6/2010 Carpenter et al.  
 7,762,015 B2 7/2010 Smith et al.  
 D624,943 S 10/2010 Gibbon  
 8,191,291 B2 6/2012 Vanderpoorten et al.  
 D706,307 S 6/2014 Renski et al.  
 D706,311 S 6/2014 Renski et al.  
 D706,312 S 6/2014 Renski et al.  
 D706,839 S 6/2014 Renski et al.

D706,840 S 6/2014 Renski et al.  
 D707,263 S 6/2014 Renski et al.  
 D707,264 S 6/2014 Renski et al.  
 8,943,717 B2 2/2015 Renski et al.  
 D727,367 S 4/2015 Renski et al.  
 D727,368 S 4/2015 Renski et al.  
 D727,369 S 4/2015 Renski et al.  
 D727,979 S 4/2015 Renski et al.  
 D727,980 S 4/2015 Renski et al.  
 D727,981 S 4/2015 Renski et al.  
 D727,982 S \* 4/2015 Renski ..... D15/28  
 D728,635 S 5/2015 Kunz  
 D728,636 S \* 5/2015 Kunz ..... D15/28  
 D728,637 S \* 5/2015 Kunz ..... D15/28  
 9,057,177 B2 6/2015 Renski et al.  
 9,062,436 B2 6/2015 Renski et al.  
 D748,681 S 2/2016 Renski et al.  
 D748,682 S 2/2016 Renski et al.  
 D748,684 S 2/2016 Renski et al.  
 D748,685 S 2/2016 Kunz  
 D749,146 S 2/2016 Renski et al.  
 D749,147 S 2/2016 Kunz  
 D761,883 S 7/2016 Kunz  
 D769,946 S 10/2016 Kunz  
 D774,108 S 12/2016 Balan et al.  
 D774,109 S 12/2016 Balan et al.  
 D774,110 S 12/2016 Balan et al.  
 D774,564 S 12/2016 Balan et al.  
 D774,565 S 12/2016 Balan et al.  
 D774,566 S 12/2016 Balan et al.  
 D774,567 S 12/2016 Balan et al.  
 D775,240 S 12/2016 Balan et al.  
 D775,241 S 12/2016 Balan et al.  
 D775,242 S 12/2016 Balan et al.  
 D775,243 S 12/2016 Serrurier et al.  
 D775,673 S 1/2017 Balan et al.  
 2004/0010949 A1 \* 1/2004 Laguarda ..... E02F 9/2858  
 37/452  
 2008/0028644 A1 \* 2/2008 Lopez Almendros .....  
 E02F 9/2825  
 37/457  
 2012/0131821 A1 \* 5/2012 Brufau Guinovart .....  
 B2D2 19/06  
 37/452  
 2012/0260540 A1 10/2012 Guimaraes et al.  
 2012/0297649 A1 11/2012 Gomar  
 2013/0086825 A1 4/2013 Renski et al.  
 2013/0185964 A1 \* 7/2013 Anisy ..... E02F 9/2825  
 37/453  
 2013/0333254 A1 \* 12/2013 Wallis ..... E02F 9/2825  
 37/456  
 2014/0173948 A1 6/2014 Ok et al.  
 2014/0259806 A1 \* 9/2014 Rimmey ..... E02F 9/2891  
 37/455  
 2014/0259808 A1 \* 9/2014 LaHood ..... E02F 9/2841  
 37/455  
 2014/0352182 A1 12/2014 LaHood et al.  
 2015/0167278 A1 \* 6/2015 Rivera ..... E02F 9/2875  
 37/452  
 2016/0083935 A1 3/2016 Edmonds

FOREIGN PATENT DOCUMENTS

CL 1193-1999 9/1999  
 CL 223-1999 11/1999  
 CL 1457-1999 11/1999  
 CL 1583-1999 6/2000  
 CL 2671-2005 7/2006  
 CL 3115-2005 9/2006  
 CL 3116-2005 9/2006  
 CL 173-2008 8/2008  
 CL 174-2008 8/2008  
 CL 2524-2008 1/2009  
 CL 1764-2008 7/2009  
 CL 618-2010 11/2010  
 CL 739-2010 12/2010

(56)

## References Cited

## FOREIGN PATENT DOCUMENTS

CL	291-2012	11/2012
EM 000089099-0001-0003		10/2003
EM 000877477-0001-0009		1/2008
EM 000895396-0001-0015		3/2008
EP	0 411 486 A1	2/1991
EP	1 174 547 B1	8/2006
EP	2 011 927 A2	1/2009
GB	1049195	3/1988
GB	1050103	4/1988
GB	2010025	4/1990
GB	2010026	4/1990
GB	2057051	12/1995
GB	2057052	12/1995
GB	2057053	12/1995
GB	2060104	4/1996
GB	2060105	4/1996
GB	2057055	5/1996
GB	2091441	10/1999
GB	2091502	10/1999
GB	2095654	3/2000
GB	2097590	3/2000
GB	2097591	4/2000
GB	2097592	4/2000
GB	2097593	5/2000
GB	2104929	3/2001
GB	2106421	4/2001
WO	WO 2015/165505 A1	11/2015

## OTHER PUBLICATIONS

Caterpillar Inc., "Cat Backhoe Loader Options," published Jan. 1, 2005.

U.S. Appl. No. 14/824,655, filed Aug. 12, 2015. (Unpublished).

U.S. Appl. No. 14/824,749, filed Aug. 12, 2015. (Unpublished).

U.S. Appl. No. 29/580,224, filed Oct. 6, 2016. (Unpublished).

U.S. Appl. No. 29/579,884, filed Oct. 4, 2016. (Unpublished).

U.S. Appl. No. 29/580,075, filed Oct. 5, 2016. (Unpublished).

U.S. Appl. No. 29/580,340, filed Oct. 7, 2016. (Unpublished).

U.S. Appl. No. 29/580,338, filed Oct. 7, 2016. (Unpublished).

U.S. Appl. No. 29/580,305, filed Oct. 7, 2016. (Unpublished).

U.S. Appl. No. 29/580,327, filed Oct. 7, 2016. (Unpublished).

U.S. Appl. No. 29/580,314, filed Oct. 7, 2016. (Unpublished).

U.S. Appl. No. 29/587,746, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,749, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,747, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,750, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,757, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,754, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,762, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,759, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,758, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,765, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,767, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,779, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,776, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,783, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,785, filed Dec. 15, 2016. (Unpublished).

U.S. Appl. No. 29/587,744, filed Dec. 15, 2016. (Unpublished).

\* cited by examiner

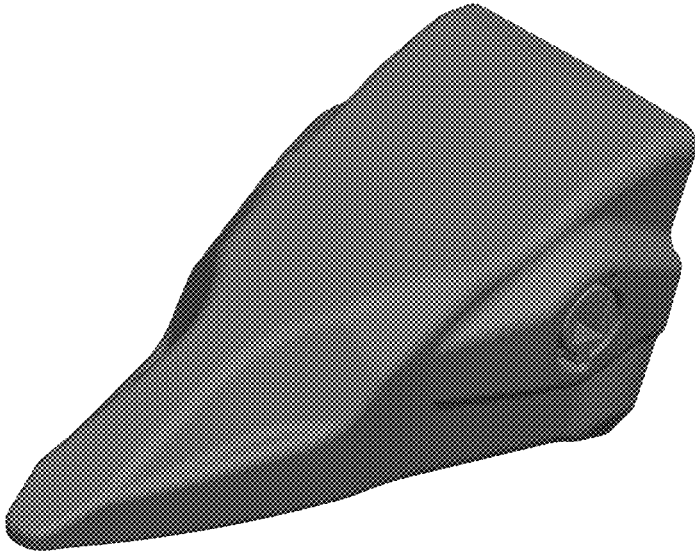


FIG. 1

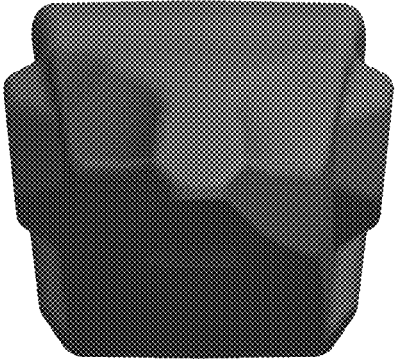


FIG. 2

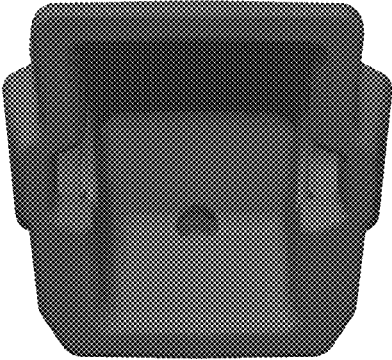


FIG. 3

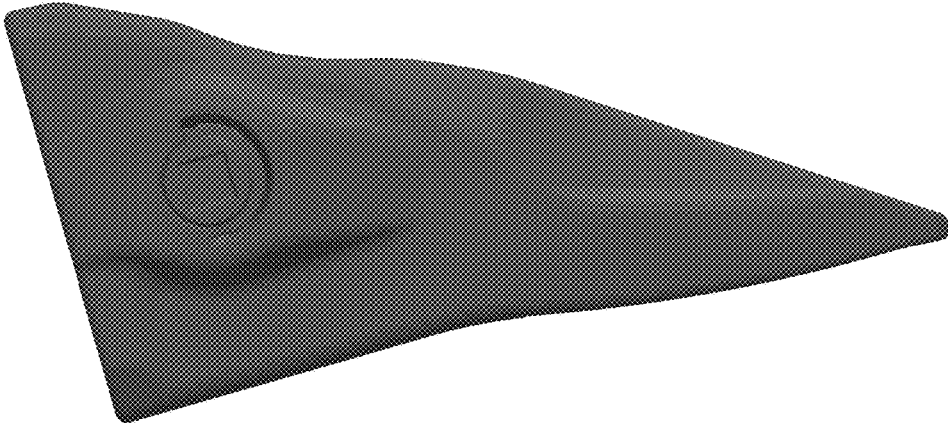


FIG. 4

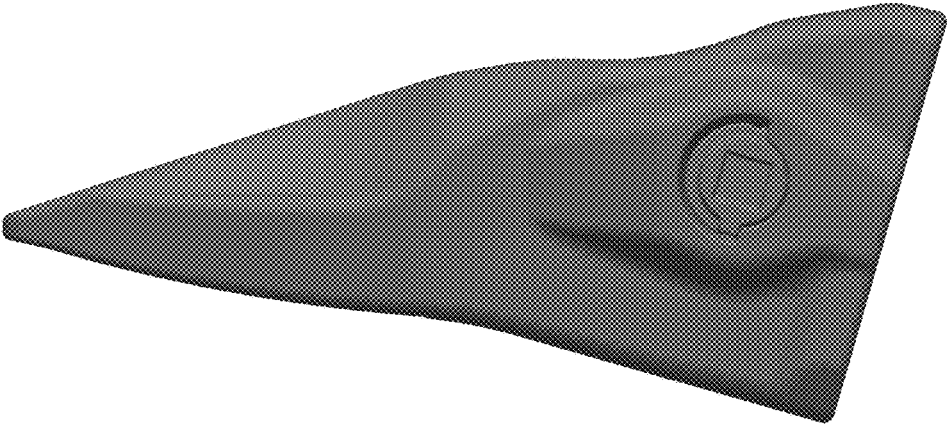


FIG. 5

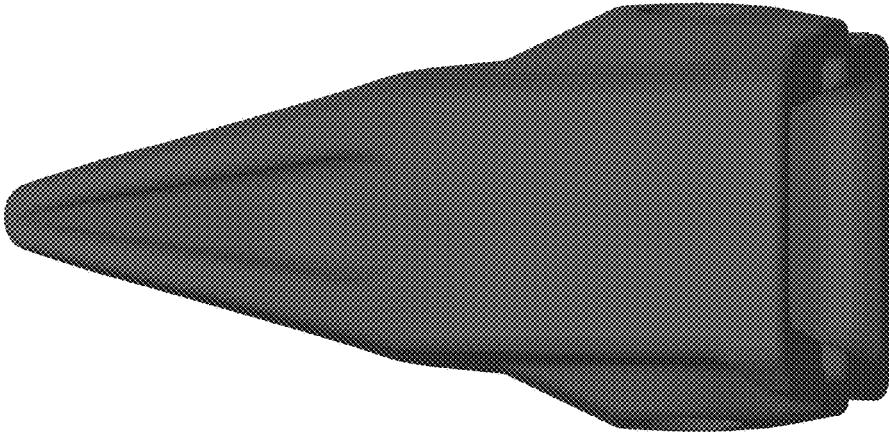


FIG. 7

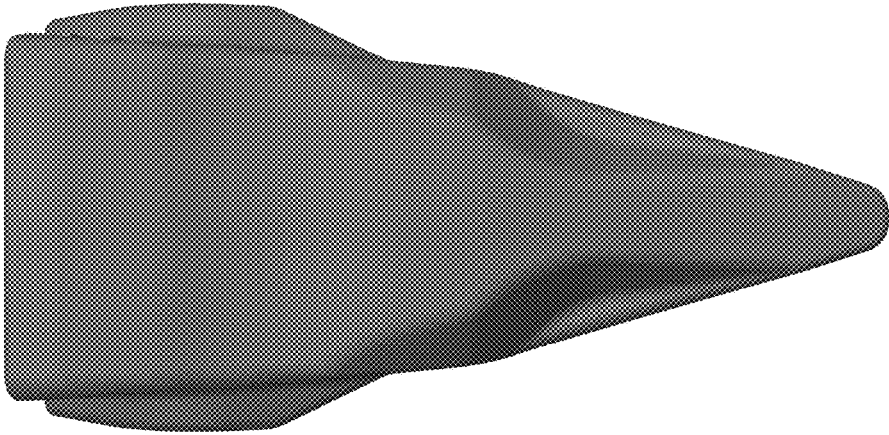


FIG. 6